



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

December 5, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
11/24/07	5	6	2

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

December 5, 2007
Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 11/24/07

SAMPLES COLLECTED DURING W/E 11/24/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	4	24 hour	6
Resumed Dredging	CAMU Southern Berm ¹	4	24 hour	2
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	4	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	4	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 11/17/2007
Date of Discovery:	11/25/07 – 11/26/07
Exceedance Type	Notification & Action

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (11/18/07)	10.397	8	40
Naphthalene (11/18/07)	170.596 (D)	6	30
Benzene (11/19/07)	11.047	8	40
Naphthalene (11/19/07)	79.967	6	30
Naphthalene (11/20/07)	21.858	6	30
Benzene (11/21/07)	9.748	8	40

J = Estimated Value

U = Not detected in CAMU Station #3

D = Dilution

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 11/17/2007
Date of Discovery:	11/25/07 – 11/26/07
Exceedance Type	Notification

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (11/18/07)	16.260 (U)	6	30
Naphthalene (11/21/07)	6.930	6	30

J= Estimated Value

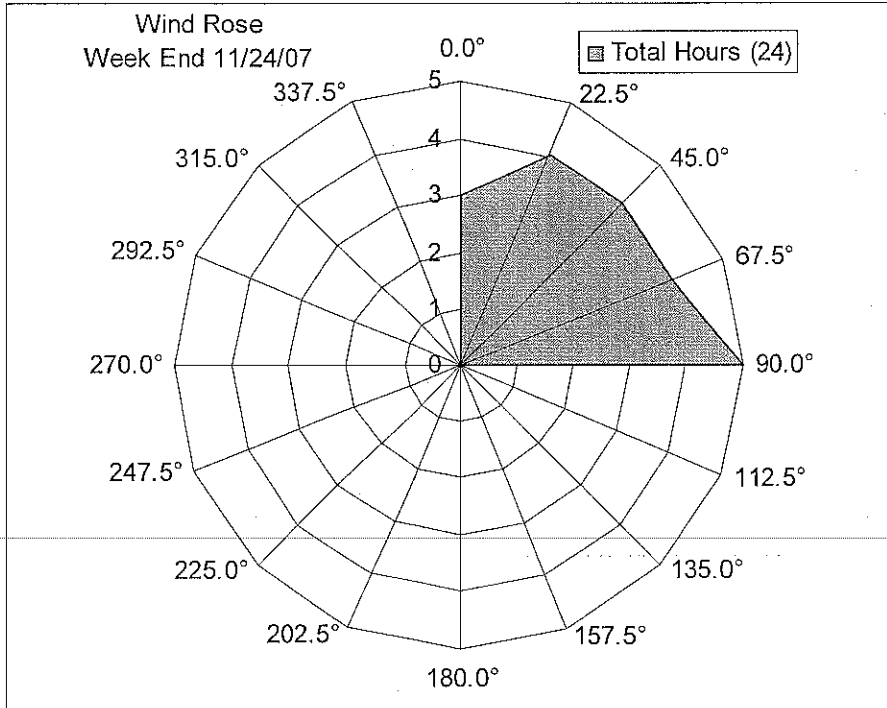
U= Not detected in CAMU Station #3

Sample Site:	Grab Sample (Ellsworth and 1 st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 11/17/2007
Date of Discovery:	11/25/07 – 11/26/07
Exceedance Type	No Exceedances to report

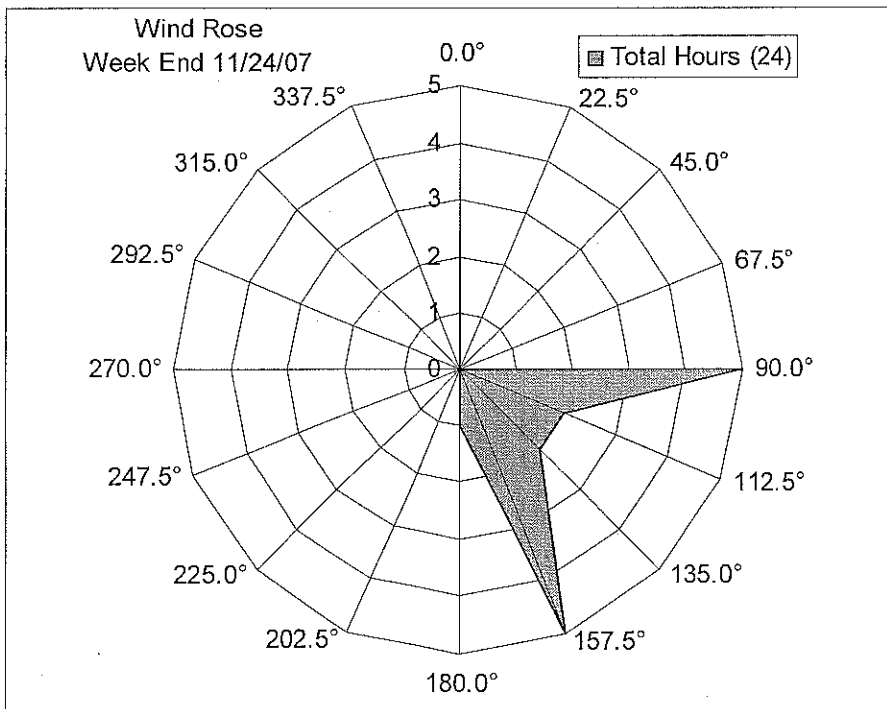
Sample Site:	Grab Sample (Ellsworth and in-between 3 rd and 4 th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 11/17/2007
Date of Discovery:	11/25/07 – 11/26/07
Exceedance Type	No Exceedances to report

Meteorological Conditions during Event(s):

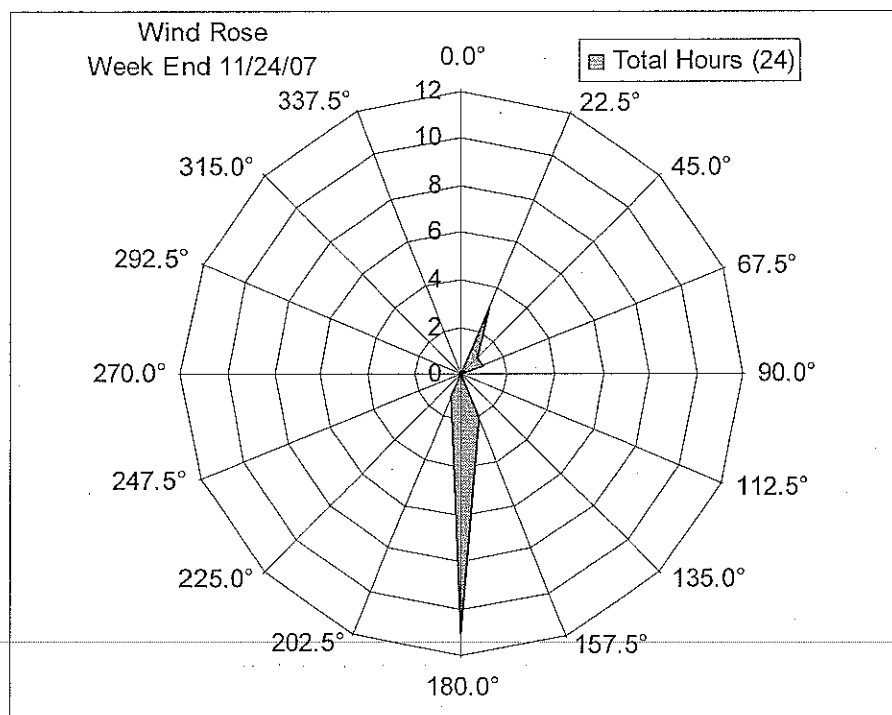
11/17/07 – 11/18/07



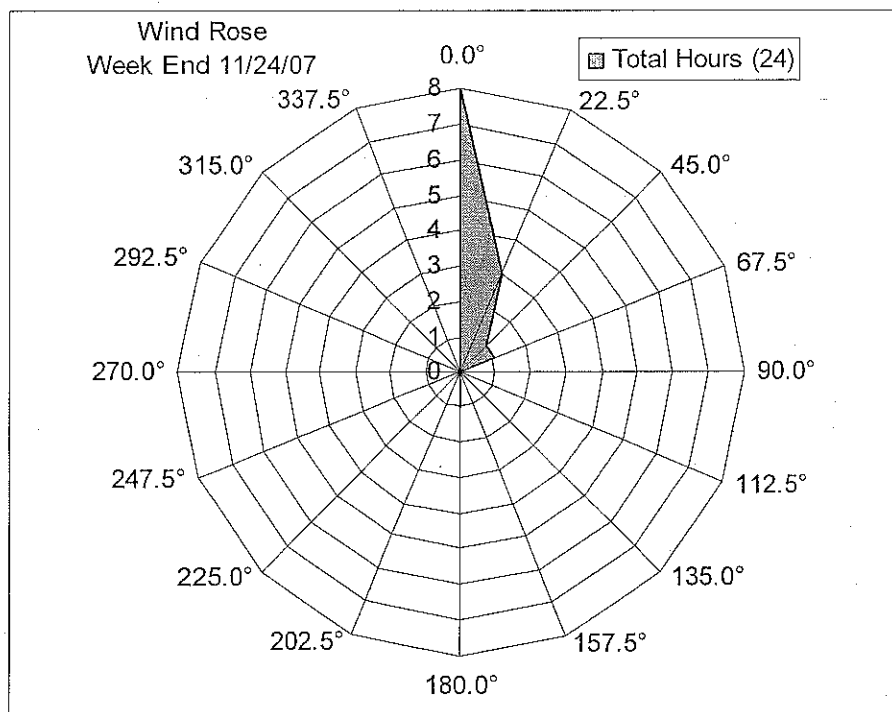
11/18/07 – 11/19/07



11/19/07 – 11/20/07



11/20/07 – 11/21/07



Date	Time	WS (MPH)	WD (deg)	Temp (F)
11/17/2007	8:45	0	0	41
11/17/2007	9:45	0	0	41
11/17/2007	10:45	0	0	43
11/17/2007	11:45	10	60	45
11/17/2007	12:50	7	50	45
11/17/2007	13:51	9	30	45
11/17/2007	14:50	11	30	45
11/17/2007	15:51	9	40	43
11/17/2007	16:47	9	40	43
11/17/2007	17:53	9	30	43
11/17/2007	18:50	9	30	43
11/17/2007	19:48	9	50	43
11/17/2007	20:46	11	70	43
11/17/2007	21:48	11	90	43
11/17/2007	22:48	11	60	43
11/18/2007	5:50	9	70	41
11/18/2007	6:50	9	80	41
11/18/2007	7:50	11	80	41
11/18/2007	8:50	0	80	41
11/18/2007	9:50	11	80	41
11/18/2007	10:50	11	100	41
11/18/2007	11:50	9	120	43
11/18/2007	12:50	9	140	43
11/18/2007	13:50	9	80	43
11/18/2007	14:47	7	100	43
11/18/2007	15:45	7	120	43
11/18/2007	16:45	9	130	43
11/18/2007	19:50	0	0	41
11/18/2007	20:54	0	0	43
11/18/2007	21:50	14	150	43
11/18/2007	22:50	24	150	41
11/19/2007	7:51	11	150	45
11/19/2007	8:50	9	150	43
11/19/2007	9:50	9	150	45
11/19/2007	10:51	14	170	48
11/19/2007	11:48	8	170	48
11/19/2007	12:50	7	170	50
11/19/2007	13:50	N/A	N/A	55
11/19/2007	14:50	7	190	59
11/19/2007	15:50	9	180	61
11/19/2007	16:50	9	180	63
11/19/2007	17:50	9	180	54
11/19/2007	18:45	14	190	54
11/19/2007	19:50	14	190	63
11/19/2007	20:50	14	190	63
11/19/2007	21:50	11	190	63
11/19/2007	22:50	14	210	50
11/20/2007	5:50	7	30	50

Date	Time	WS (MPH)	WD (deg)	Temp (F)
11/20/2007	6:50	7	30	50
11/20/2007	7:50	7	30	50
11/20/2007	8:50	7	40	50
11/20/2007	10:45	5	70	50
11/20/2007	10:45	5	70	50
11/20/2007	11:50	N/A	N/A	50
11/20/2007	12:50	0	0	50
11/20/2007	13:50	0	0	52
11/20/2007	14:50	7	N/A	55
11/20/2007	15:45	7	N/A	55
11/20/2007	16:45	0	0	N/A
11/20/2007	17:45	3	N/A	N/A
11/20/2007	18:45	0	0	55
11/20/2007	19:50	0	0	55
11/20/2007	20:45	0	0	55
11/20/2007	21:50	9	190	63
11/20/2007	22:45	6	N/A	63
11/20/2007	5:46	14	10	48
11/21/2007	6:49	14	10	48
11/21/2007	7:50	14	20	48
11/21/2007	8:45	14	20	48
11/21/2007	9:46	14	30	48

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



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November 29, 2007

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U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
11/10/07	5	3	0

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

November 29, 2007

Page 2

CC with attachments:

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M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 11/10/07

SAMPLES COLLECTED DURING W/E 11/10/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	1
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	2
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 11/5/2007
Date of Discovery:	11/8/07 – 11/14/07
Exceedance Type	Notification

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (11/8/07)	13.328	6	30

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 11/5/2007
Date of Discovery:	11/8/07 – 11/14/07
Exceedance Type	Notification

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (11/7/07)	13.754	6	30
Naphthalene (11/3/07)	28.255	6	30

J= Estimated Value

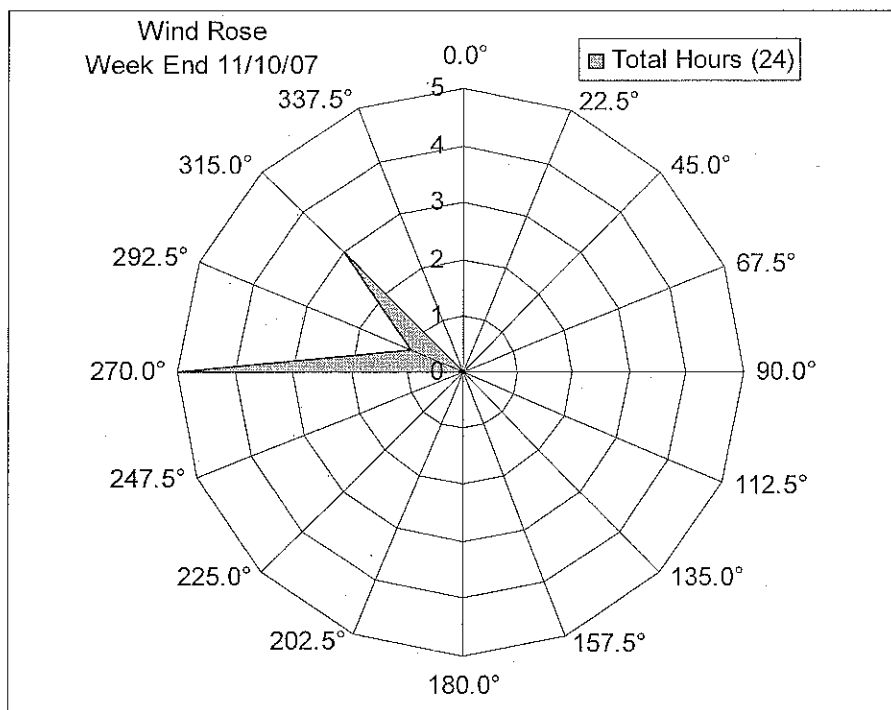
U= Not detected in CAMU Station #3

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

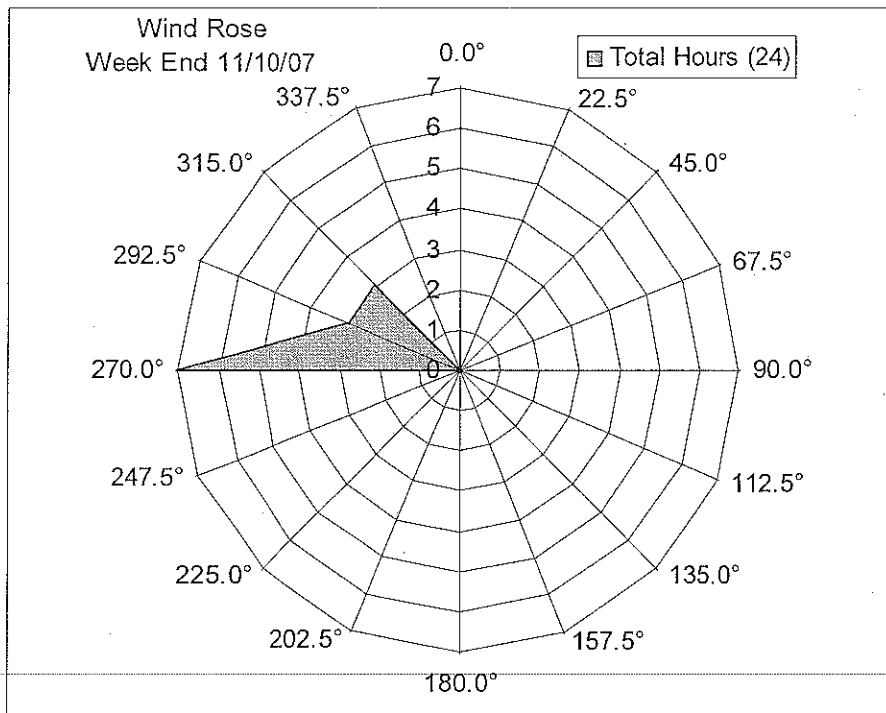
Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 11/5/2007
Date of Discovery:	11/8/07 – 11/14/07
Exceedance Type	No Exceedances to report
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 11/5/2007
Date of Discovery:	11/8/07 – 11/14/07
Exceedance Type	No Exceedances to report

Meteorological Conditions during Event(s):

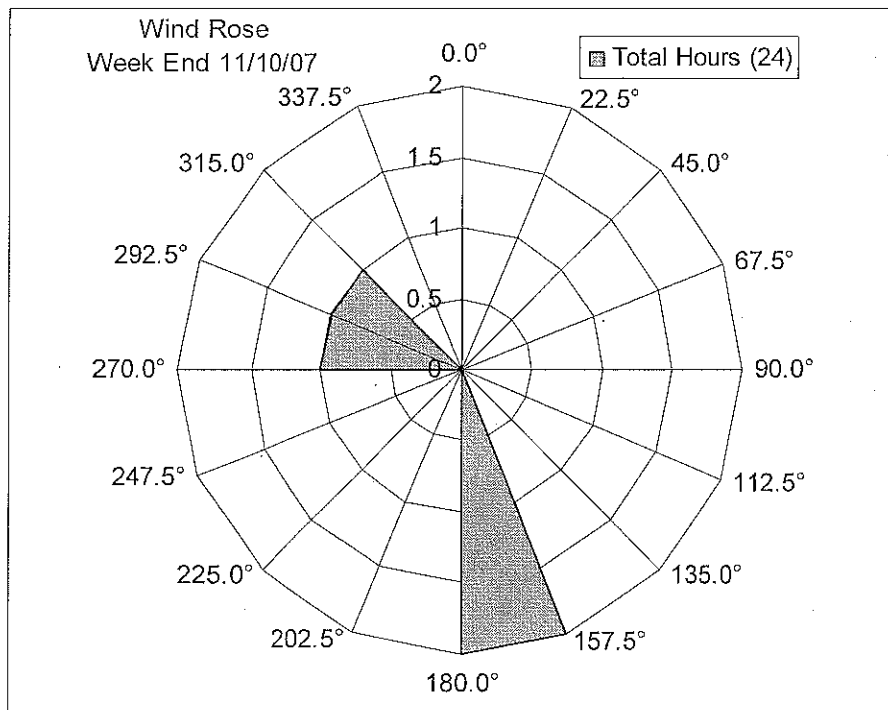
11/5/07 – 11/6/07



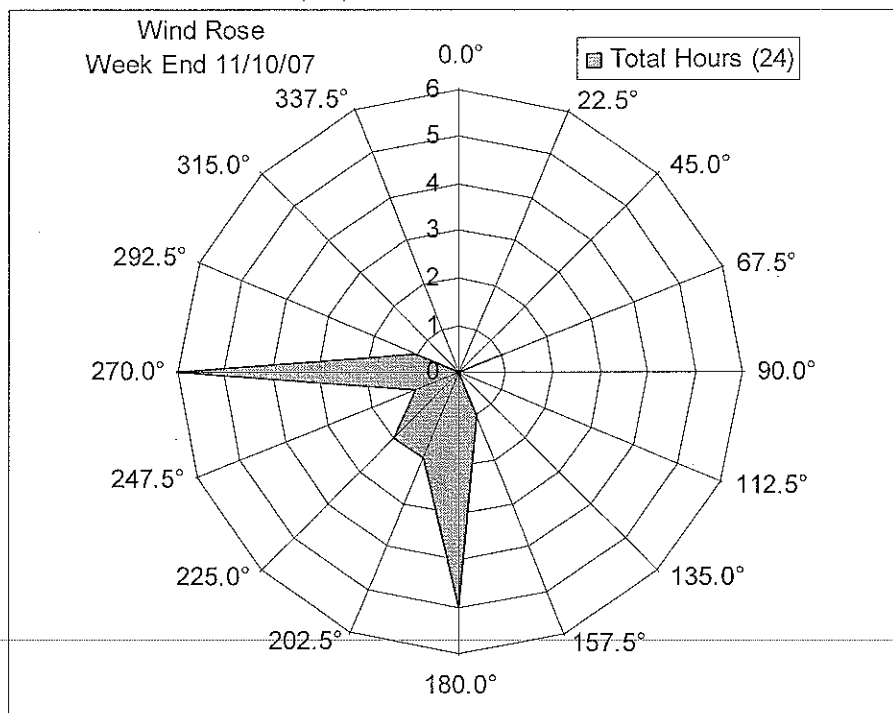
11/6/07 – 11/7/07



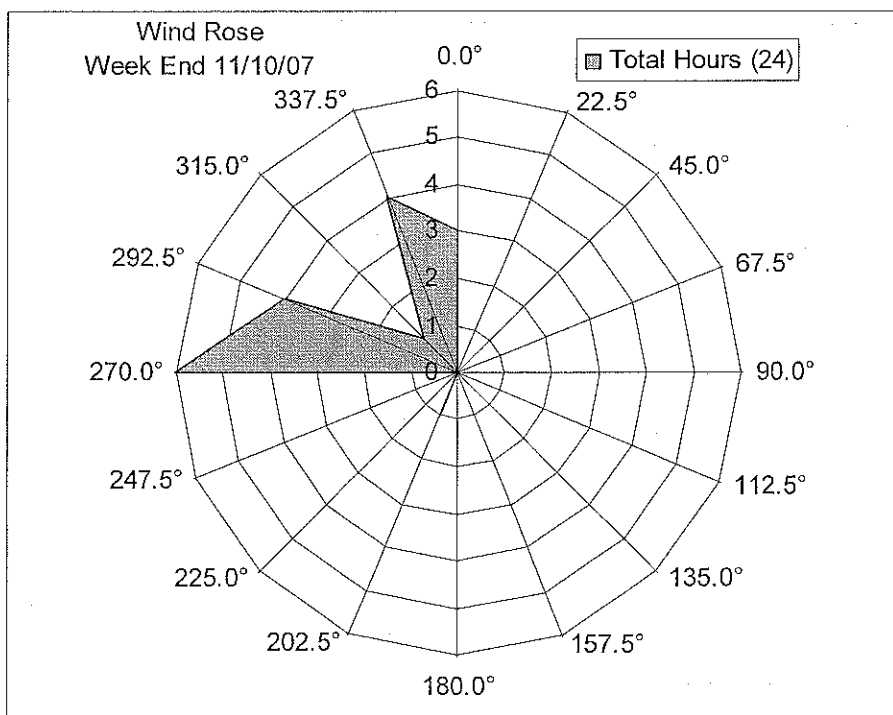
11/7/07 – 11/8/07



11/8/07 – 11/9/07



11/9/07 – 11/10/07



Date	Time	WS (MPH)	WD (deg)	Temp (F)
11/6/2007	5:45	14	270	36
11/6/2007	6:49	14	270	36
11/6/2007	7:50	17	260	36
11/6/2007	8:50	17	270	37
11/6/2007	9:54	17	280	41
11/6/2007	10:50	17	300	43
11/6/2007	11:50	17	320	45
11/6/2007	12:50	17	320	46
11/6/2007	13:50	17	320	45
11/7/2007	5:45	6	300	37
11/7/2007	6:49	9	280	37
11/7/2007	7:50	6	300	37
11/7/2007	8:50	6	270	36
11/7/2007	9:54	0	0	41
11/7/2007	8:47	6	270	36
11/7/2007	9:50	0	0	41
11/7/2007	10:48	7	300	41
11/7/2007	12:50	9	320	43
11/8/2007	5:47	7	160	41
11/8/2007	7:50	7	160	41
11/8/2007	8:48	8	170	41
11/8/2007	9:48	8	180	43
11/8/2007	10:50	11	170	48
11/8/2007	11:50	9	180	50
11/8/2007	12:50	9	170	54
11/8/2007	13:50	9	200	54
11/8/2007	14:50	11	230	55
11/8/2007	15:50	14	200	55
11/8/2007	16:45	11	220	55
11/8/2007	17:45	9	250	52
11/8/2007	18:45	7	70	50
11/8/2007	19:50	7	270	50
11/9/2007	5:44	8	270	36
11/9/2007	6:45	10	270	36
11/9/2007	7:49	10	270	36
11/9/2007	8:45	8	270	37
11/9/2007	9:45	10	280	43
11/9/2007	10:45	11	300	46
11/9/2007	11:45	11	300	48
11/9/2007	12:45	15	320	50
11/9/2007	14:50	9	350	50
11/9/2007	15:48	9	350	48
11/9/2007	16:50	9	350	46
11/9/2007	17:50	14	340	46
11/9/2007	18:50	11	330	45
11/9/2007	19:50	11	300	45
11/9/2007	20:50	16	300	45

Date	Time	WS (MPH)	WD (deg)	Temp (F)
11/9/2007	21:50	11	330	46
11/9/2007	22:50	14	330	45
11/10/2007	5:47	9	260	45
11/10/2007	6:46	8	210	37
11/10/2007	7:50	8	260	37
11/10/2007	8:49	10	260	37
11/10/2007	9:45	5	280	37

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

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**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
11/3/07	5	4	0

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

November 19, 2007
Page 2

CC with attachments:

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Rodney Sommerville, City of Gary
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K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 11/03/07

SAMPLES COLLECTED DURING W/E 11/03/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	3
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	1
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/29/2007
Date of Discovery:	11/1/07 – 11/7/07
Exceedance Type	Notification

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (10/30/07)	12.262	6	30
Naphthalene (10/31/07)	7.997	6	30
Naphthalene (11/27/07)	12.795	6	30

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/29/2007
Date of Discovery:	11/1/07 – 11/7/07
Exceedance Type	Notification

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (11/3/07)	10.689	6	30

J= Estimated Value

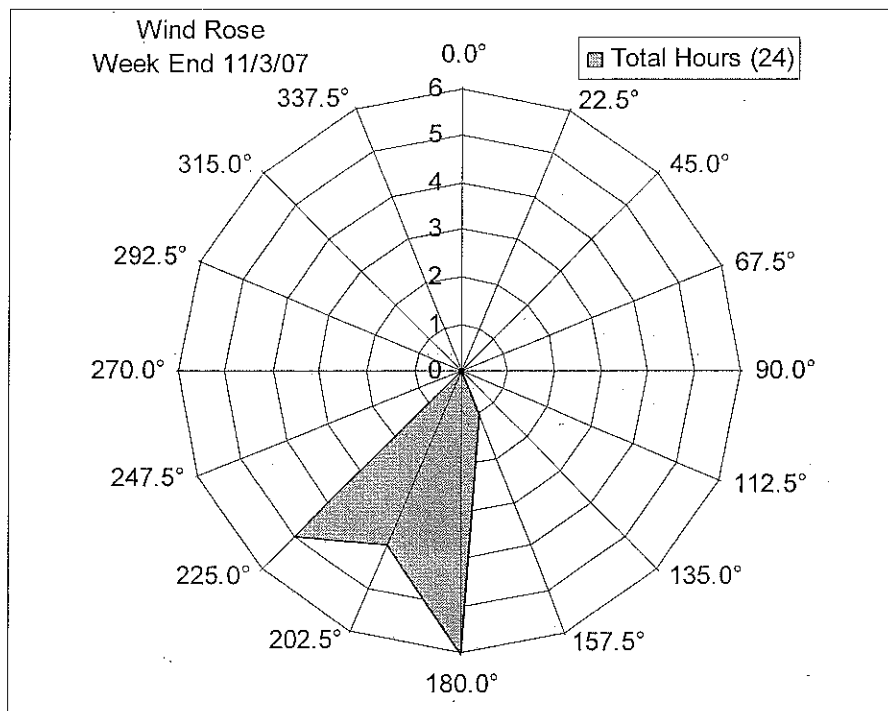
U= Not detected in CAMU Station #3

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

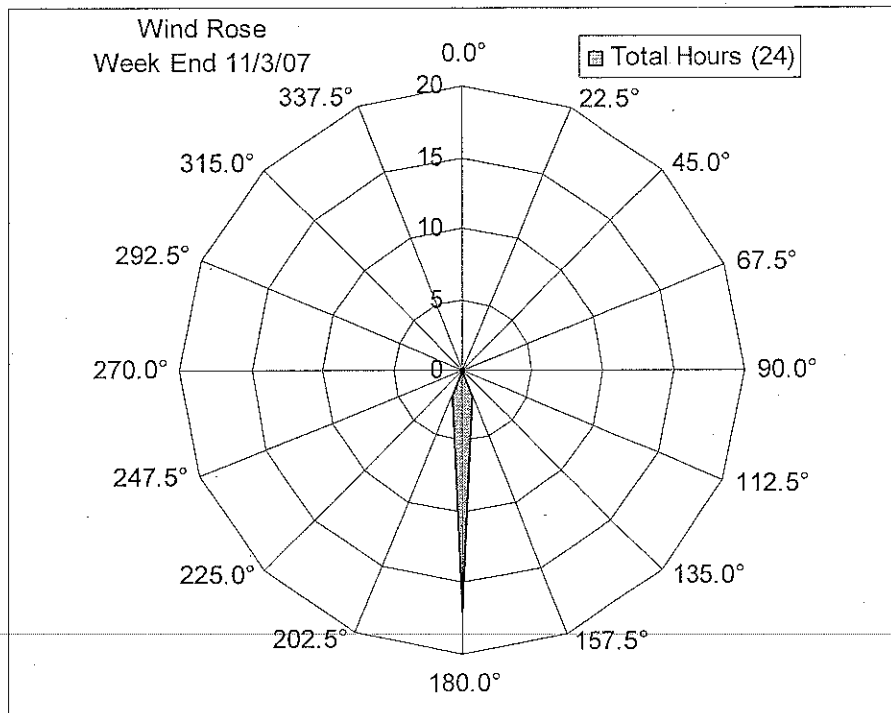
Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/29/2007
Date of Discovery:	11/1/07 – 11/7/07
Exceedance Type	No Exceedances to report
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/29/2007
Date of Discovery:	11/1/07 – 11/7/07
Exceedance Type	No Exceedances to report

Meteorological Conditions during Event(s):

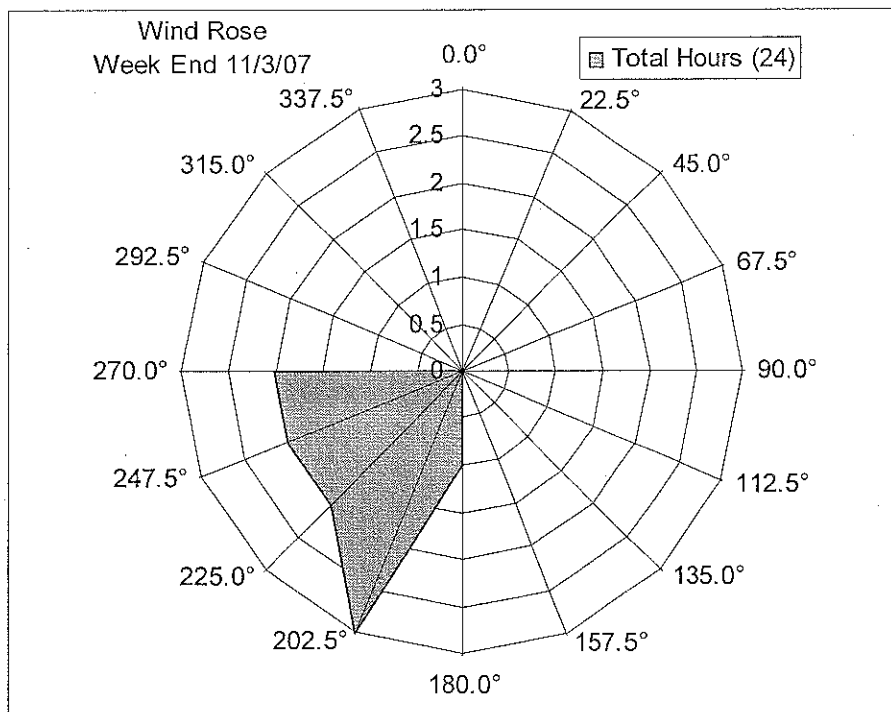
10/29/07 – 10/30/07



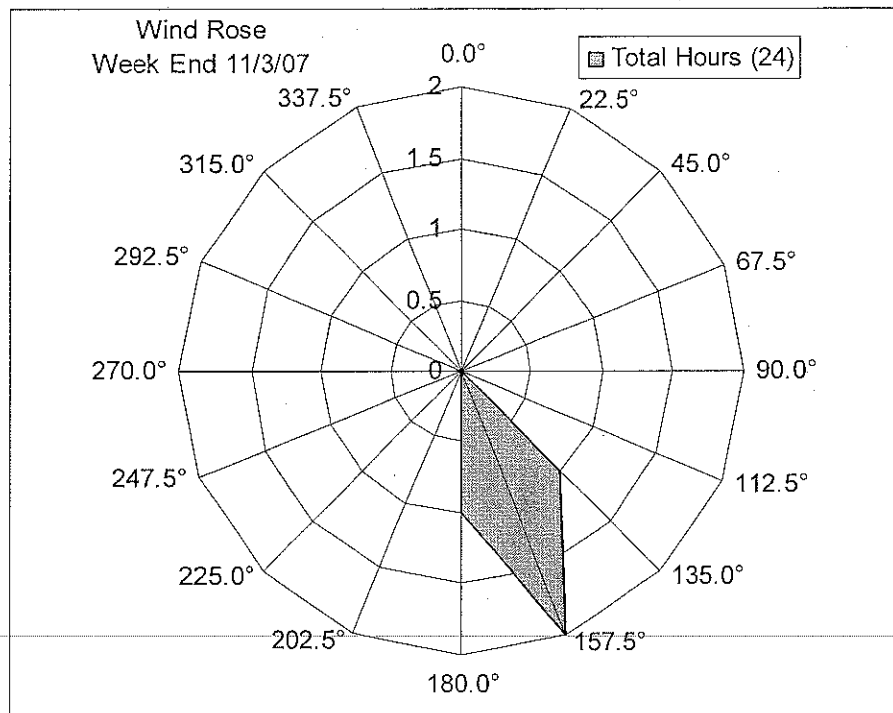
10/30/07 – 10/31/07



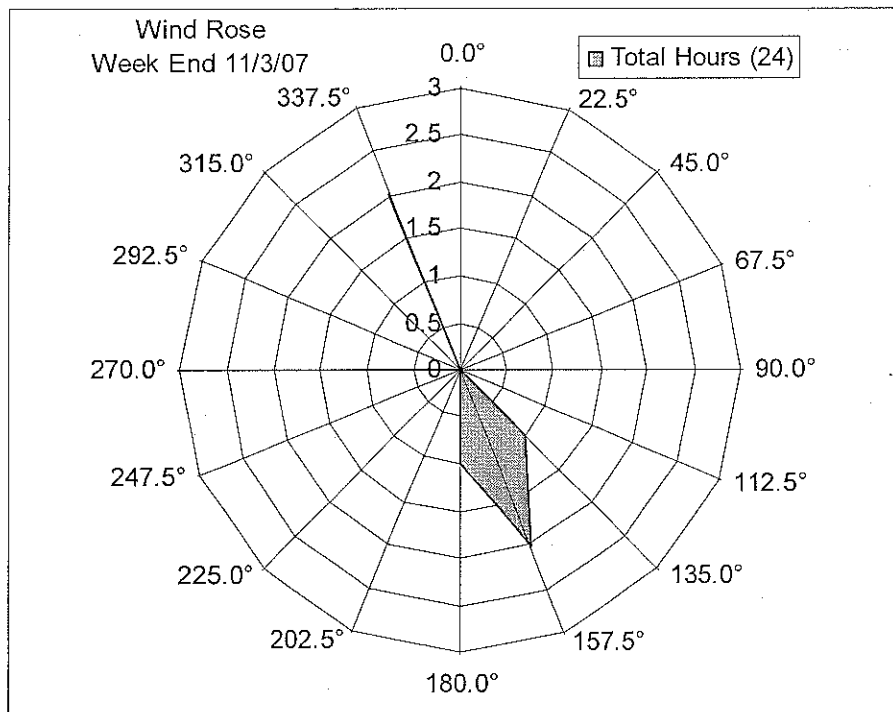
10/31/07 – 11/1/07



11/1/07 – 11/2/07



11/2/07 – 11/3/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
10/29/2007	8:50	6	230	46
10/29/2007	9:50	9	230	50
10/29/2007	10:45	11	230	55
10/29/2007	11:50	17	220	57
10/29/2007	12:50	14	200	61
10/29/2007	13:50	11	220	61
10/29/2007	14:45	17	210	61
10/29/2007	15:46	11	190	61
10/29/2007	16:45	11	210	61
10/29/2007	17:49	10	190	59
10/29/2007	18:46	5	Var	55
10/29/2007	19:50	6	Var	54
10/29/2007	20:45	5	Var	54
10/29/2007	21:45	11	190	52
10/30/2007	4:45	7	210	46
10/30/2007	6:45	9	190	45
10/30/2007	7:50	7	160	45
10/30/2007	8:50	9	180	50
10/30/2007	9:45	7	180	55
10/30/2007	10:45	8	180	57
10/30/2007	11:50	14	180	63
10/30/2007	12:45	14	180	64
10/30/2007	13:45	15	180	68
10/30/2007	14:45	15	180	68
10/30/2007	15:50	14	190	68
10/30/2007	16:50	11	190	66
10/30/2007	17:50	9	170	63
10/30/2007	18:50	9	170	61
10/30/2007	19:50	9	160	59
10/30/2007	20:50	14	170	61
10/30/2007	21:50	11	160	61
10/31/2007	4:51	11	190	55
10/31/2007	5:50	11	170	54
10/31/2007	6:45	11	170	52
10/31/2007	7:53	9	170	52
10/31/2007	8:45	11	180	54
10/31/2007	9:45	11	200	55
10/31/2007	10:45	17	200	61
10/31/2007	11:45	20	200	61
10/31/2007	12:45	14	220	63
10/31/2007	13:45	17	230	63
10/31/2007	14:50	9	240	61
10/31/2007	15:50	9	240	63
11/1/2007	5:45	8	270	41
11/1/2007	6:50	8	270	37
11/2/2007	4:50	6	140	30
11/2/2007	5:50	7	150	34

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
11/2/2007	6:50	9	150	36
11/2/2007	7:50	8	170	36
11/3/2007	4:50	9	330	50
11/3/2007	5:53	11	330	48
11/3/2007	7:50	9	280	39
11/3/2007	8:45	9	280	46
11/3/2007	9:50	9	280	50

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

November 8, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
10/27/07	5	2	0

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in cursive script that reads "Richard L. Menozzi".

Richard L. Menozzi

November 8, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 10/27/07

SAMPLES COLLECTED DURING W/E 10/27/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	0
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	2
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/22/2007
Date of Discovery:	10/25/07 – 10/31/07
Exceedance Type	No Exceedances to report

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/22/2007
Date of Discovery:	10/25/07 – 10/31/07
Exceedance Type	Notification

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (10/23/07)	8.263 (U)	6	30
Naphthalene (10/27/07)	10.716 (J)	6	30

J= Estimated Value

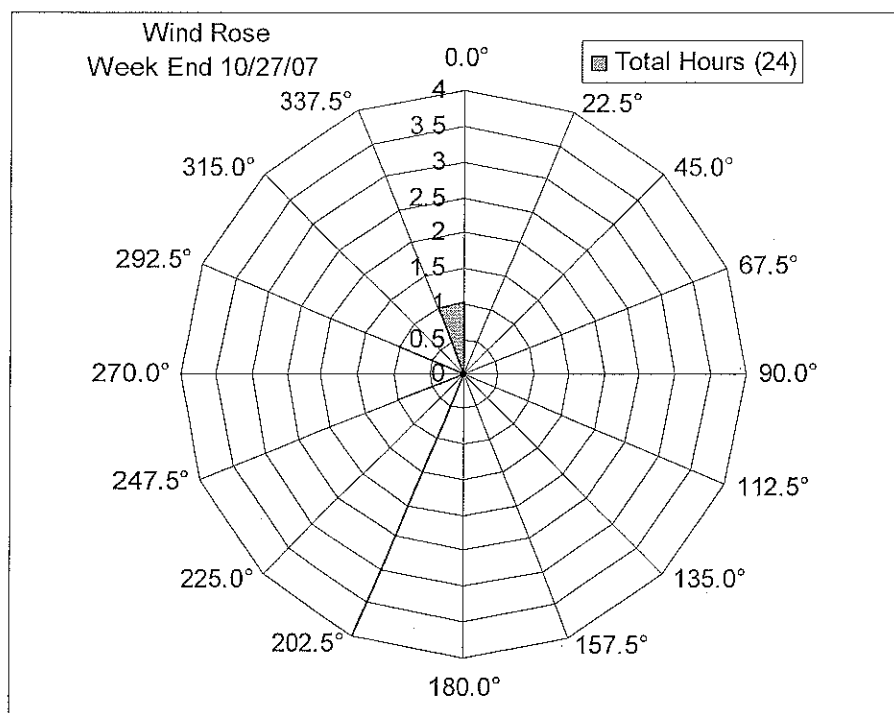
U= Not detected in CAMU Station #3

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

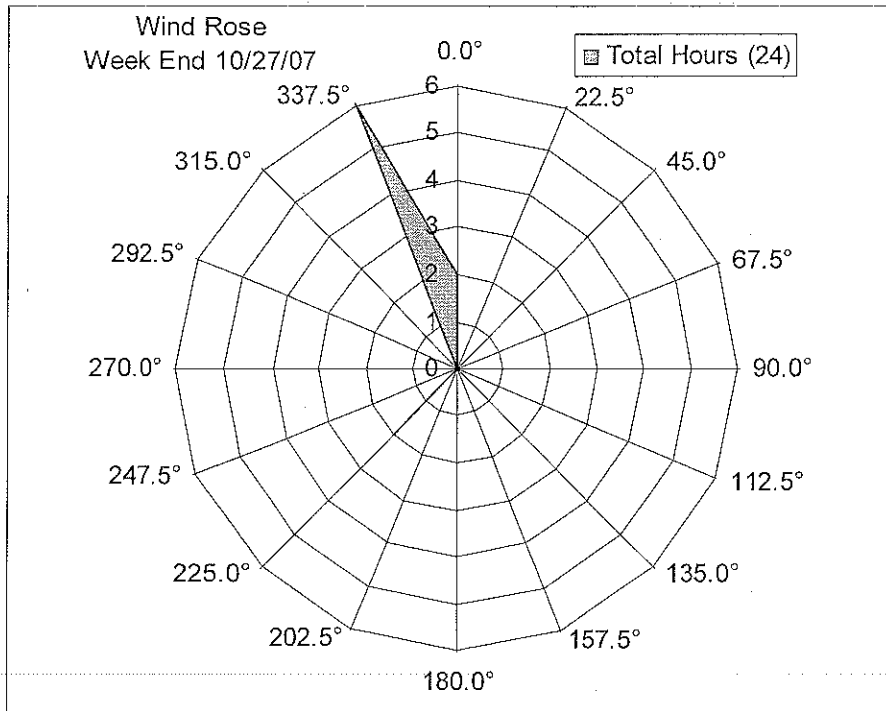
Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/22/2007
Date of Discovery:	10/25/07 – 10/31/07
Exceedance Type	No Exceedances to report
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/22/2007
Date of Discovery:	10/25/07 – 10/31/07
Exceedance Type	No Exceedances to report

Meteorological Conditions during Event(s):

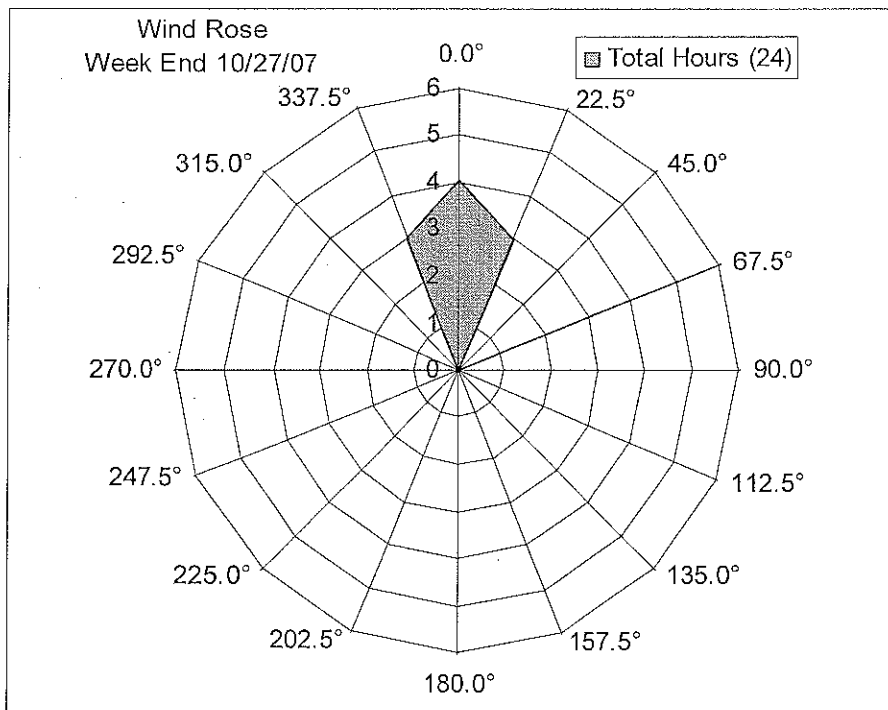
10/22/07 – 10/23/07



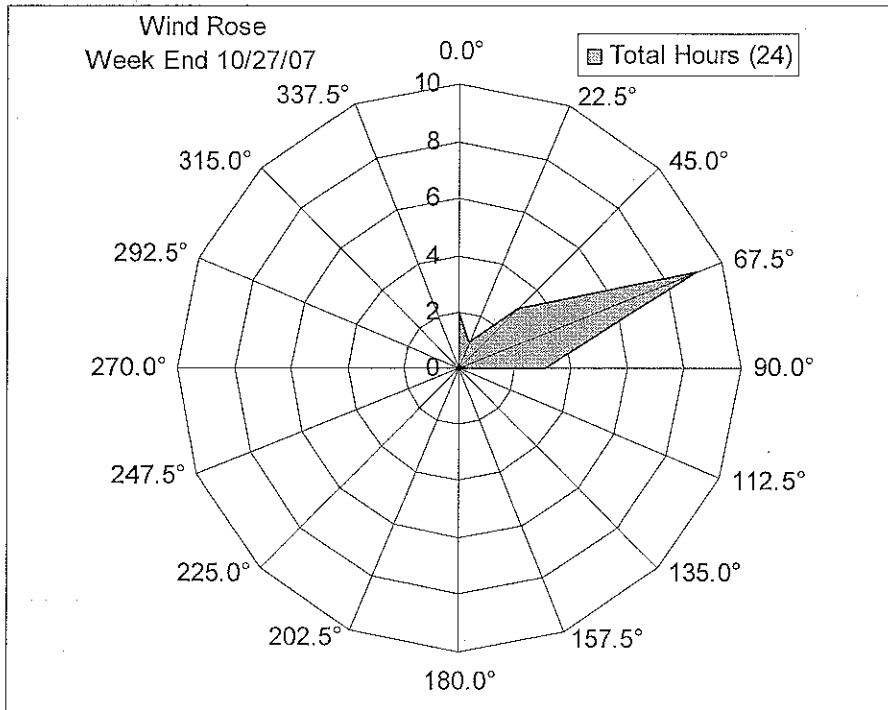
10/23/07 – 10/24/07



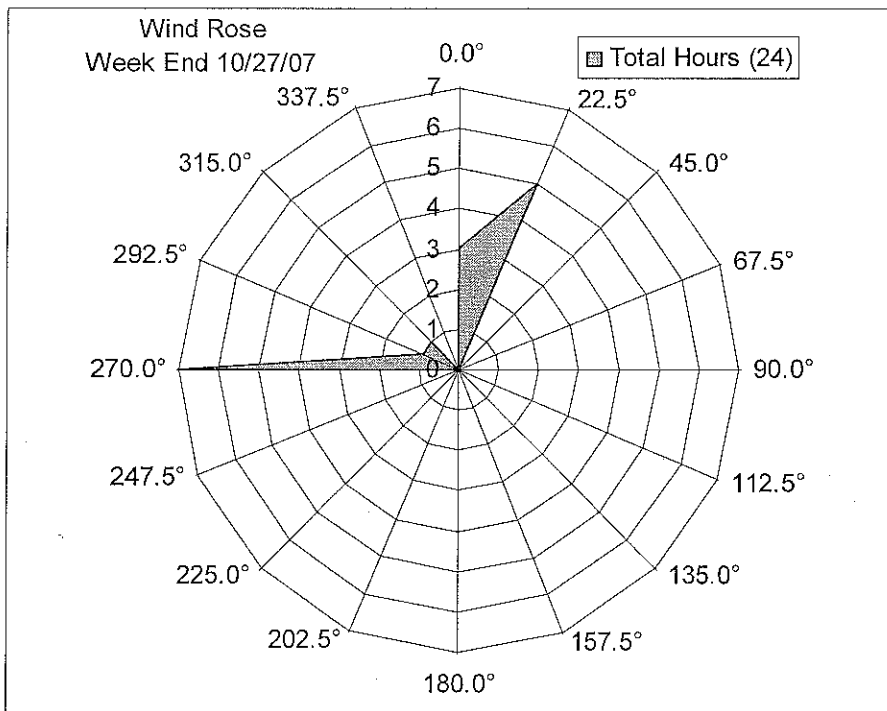
10/24/07 – 10/25/07



10/25/07 – 10/26/07



10/26/07 – 10/27/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
10/22/07	5:50	9	200	61.0
10/22/07	6:50	9	200	61.0
10/22/07	7:50	9	200	61.0
10/22/07	5:50	6	240	61.0
10/22/07	8:47	5	200	64.0
10/22/07	9:50	11	300	54.0
10/23/07	12:50	11	330	54.0
10/23/07	13:50	11	350	54.0
10/23/2007	14:50	5	Var	54
10/23/2007	15:50	5	Var	55
10/23/2007	16:53	5	Var	54
10/23/2007	17:50	5	Var	52
10/23/2007	20:50	9	220	50
10/23/2007	21:50	9	220	50
10/24/2007	4:45	17	340	54
10/24/2007	5:50	21	340	52
10/24/2007	6:50	21	340	50
10/24/2007	7:50	21	340	50
10/24/2007	8:45	17	350	52
10/24/2007	9:45	23	340	54
10/24/2007	10:50	23	330	54
10/24/2007	11:50	26	330	54
10/24/2007	14:51	23	360	54
10/24/2007	15:50	17	10	54
10/24/2007	16:50	17	10	52
10/24/2007	17:50	17	10	50
10/24/2007	18:50	17	20	52
10/24/2007	19:50	17	20	52
10/24/2007	20:50	17	30	52
10/25/2007	4:50	16	70	48
10/25/2007	6:50	14	70	48
10/25/2007	7:50	11	60	50
10/25/2007	8:45	15	70	50
10/25/2007	9:50	23	60	52
10/25/2007	10:50	23	60	54
10/25/2007	11:45	23	60	55
10/25/2007	12:50	18	40	NA
10/25/2007	13:50	14	40	57
10/25/2007	15:52	14	40	59
10/25/2007	16:47	14	30	57
10/25/2007	18:50	10	60	61
10/25/2007	19:47	8	70	61

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
10/25/2007	20:47	5	80	57
10/25/2007	21:50	9	100	57
10/26/2007	4:50	0	0	52
10/26/2007	5:50	6	80	55
10/26/2007	6:53	6	60	54
10/26/2007	7:50	9	70	52
10/26/2007	8:50	9	60	57
10/26/2007	9:50	0	0	57
10/26/2007	10:50	NA	NA	NA
10/26/2007	11:50	8	30	64
10/26/2007	13:50	8	10	63
10/26/2007	14:49	11	20	63
10/26/2007	15:50	9	20	61
10/26/2007	16:46	9	30	59
10/26/2007	17:46	9	20	57
10/26/2007	18:50	7	260	57
10/26/2007	19:50	7	280	57
10/26/2007	20:48	7	320	NA
10/26/2007	21:48	11	350	55
10/27/2007	4:50	11	270	55
10/27/2007	5:50	14	270	55
10/27/2007	6:53	11	280	55
10/27/2007	7:50	14	270	55
10/27/2007	8:50	14	280	55
10/27/2007	10:50	11	290	57

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

Environmental
Remediation

Via Email and Regular Mail

November 2, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
10/20/07	5	1	0

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

November 2, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

October 26, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
10/13/07	5	1	0

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in black ink that reads 'Richard L. Menozzi'.

Richard L. Menozzi

October 26, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

October 22, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
10/6/07	5	1	0

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

October 22, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 10/6/07

SAMPLES COLLECTED DURING W/E 10/6/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	1
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/1/2007
Date of Discovery:	10/4/07 – 10/9/07
Exceedance Type	Notification

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (10/6/07)	6.397	6	30

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/1/2007
Date of Discovery:	10/4/07 – 10/9/07
Exceedance Type	No Exceedances to Report

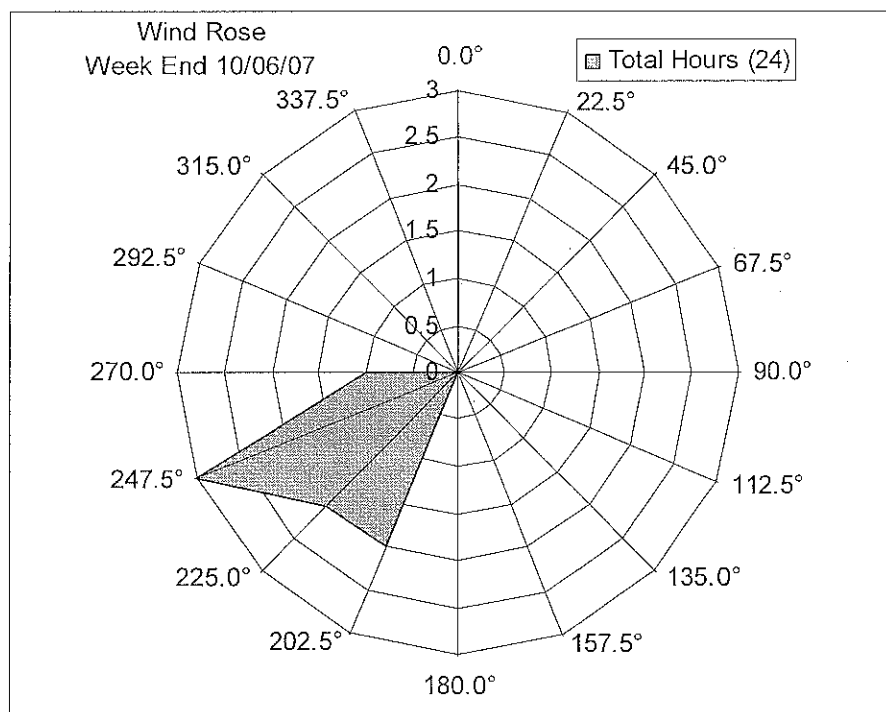
¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/1/2007
Date of Discovery:	10/4/07 – 10/9/07
Exceedance Type	No Exceedances to Report

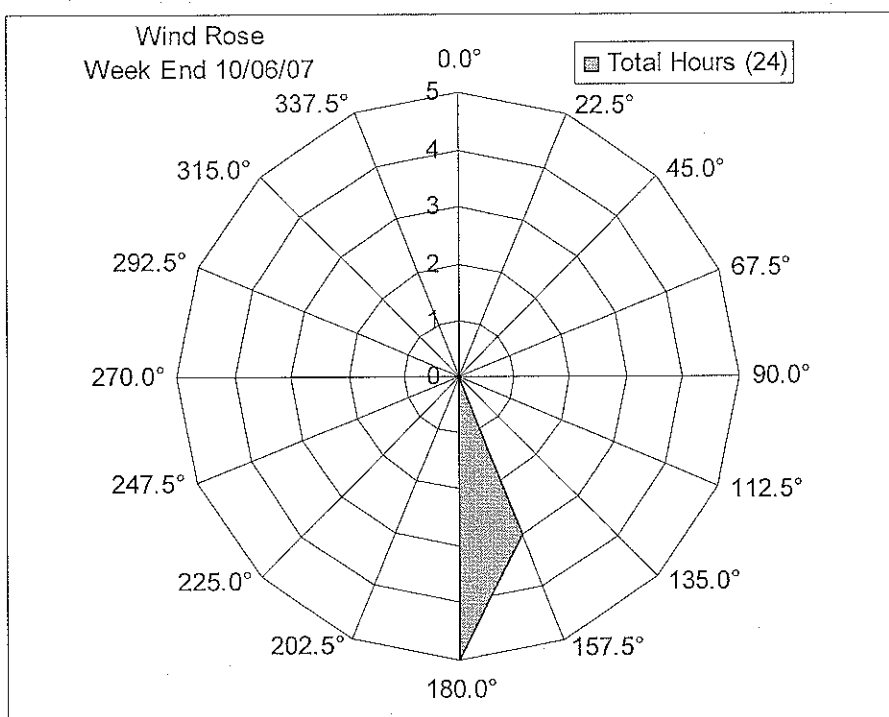
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/1/2007
Date of Discovery:	10/4/07 – 10/9/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

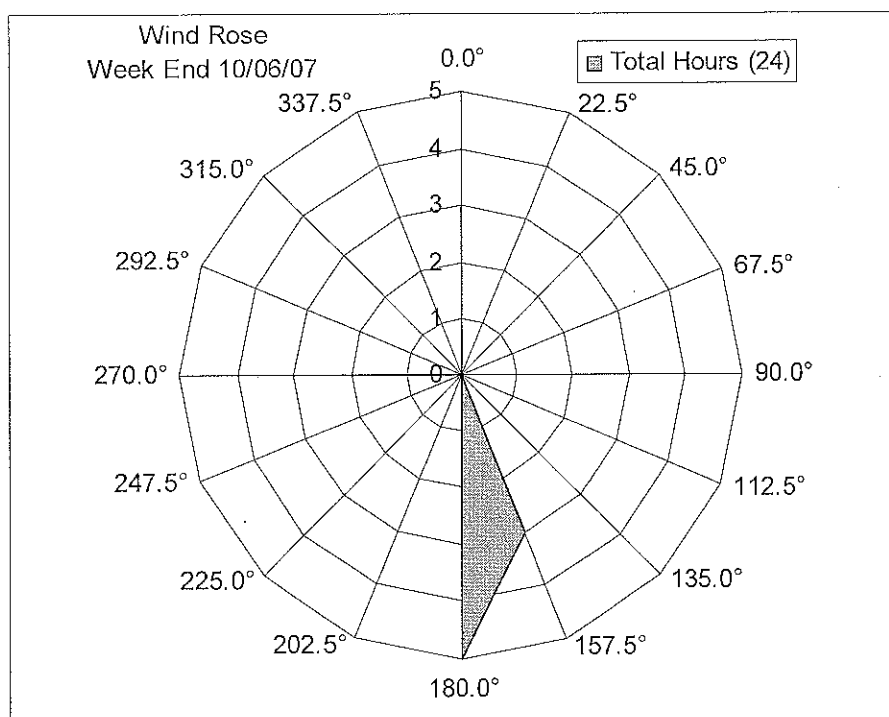
10/1/07 – 10/2/07



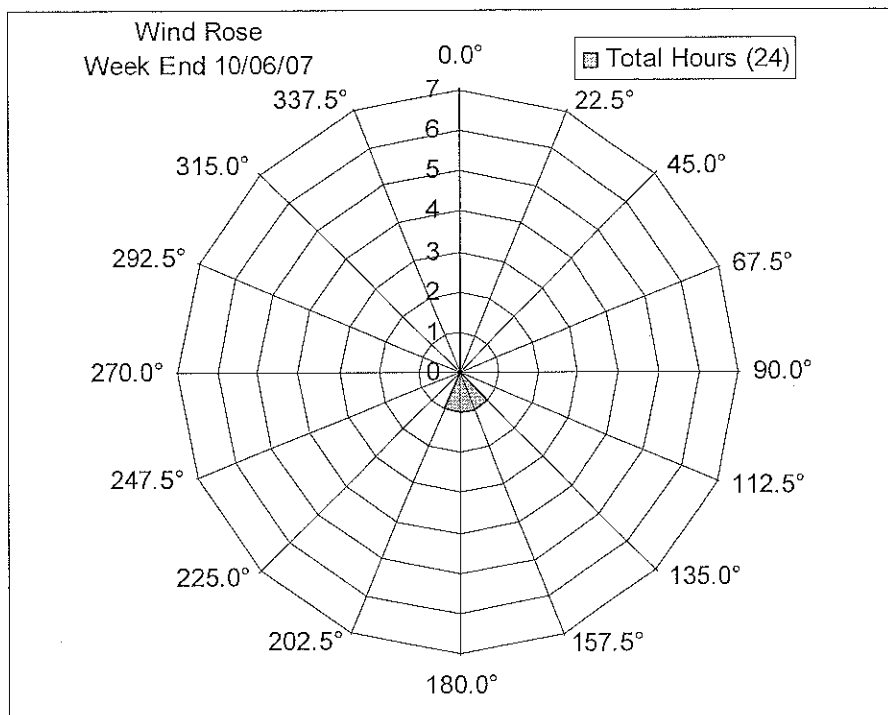
10/2/07 – 10/3/07



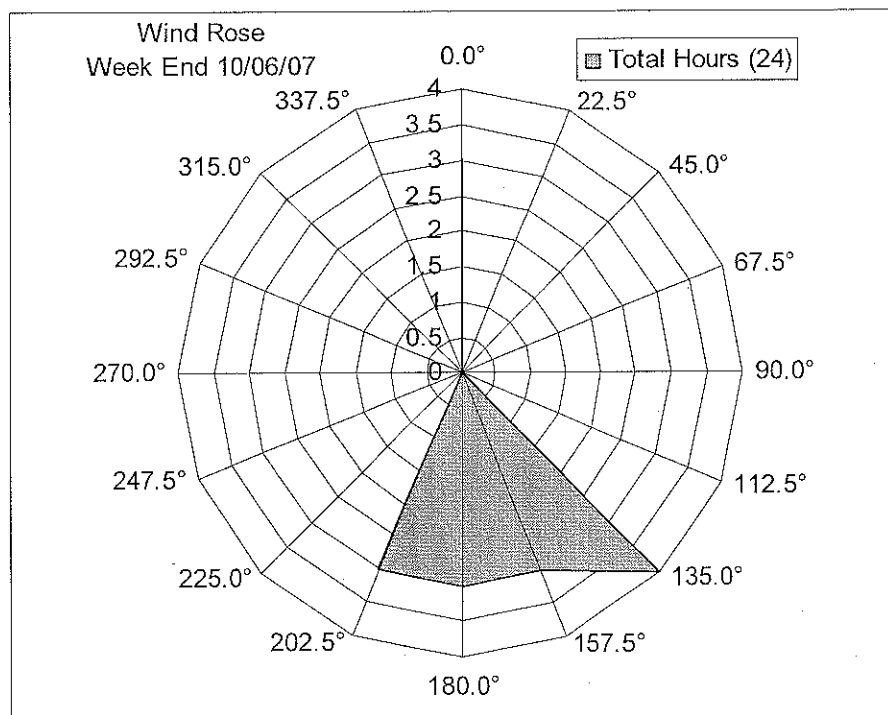
10/3/07 – 10/4/07



10/4/07 – 10/5/07



10/5/07 – 10/6/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
10/01/07	8:45	8	220	64.0
10/01/07	9:50	7	210	61.0
10/01/07	10:50	9	210	61.0
10/01/07	11:50	9	230	63.0
10/01/07	12:50	7	240	63.0
10/01/07	13:50	8	260	63.0
10/01/07	14:45	9	250	68.0
10/01/07	16:55	9	250	70.0
10/01/07	5:45	0	0	60.0
10/01/07	7:45	0	0	61.0
10/02/07	7:45	0	0	61.0
10/02/07	10:50	0	0	73.0
10/02/07	12:52	11	190	75.0
10/02/07	13:50	9	180	77.0
10/02/07	14:50	11	170	79.0
10/02/07	15:50	11	170	81.0
10/02/07	17:56	11	150	79.0
10/02/07	18:50	9	150	79.0
10/02/07	19:50	11	150	79.0
10/02/07	20:50	17	170	79.0
10/03/07	4:50	11	270	63.0
10/03/07	5:45	9	260	61.0
10/03/07	6:50	9	260	61.0
10/03/07	9:45	0	0	64.0
10/03/07	11:50	0	0	72.0
10/03/07	13:45	6	VAR	75.0
10/03/07	14:45	3	VAR	77.0
10/03/07	15:45	6	30	75.0
10/03/07	16:53	6	30	75.0
10/03/07	17:50	5	40	72.0
10/03/07	18:50	0	0	61.0
10/03/07	19:50	0	0	57.0
10/03/07	20:50	0	0	55.0
Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
10/03/07	21:50	6	140	61.0
10/04/07	13:45	7	190	82.0
10/04/07	15:47	7	210	70.0

10/04/07	18:47	0	0	70.0
10/04/07	19:50	0	0	68.0
10/04/07	20:50	0	0	64.0
10/04/07	21:46	0	0	64.0
10/05/07	4:50	0	0	68.0
10/05/07	5:50	0	0	68.0
10/05/07	6:50	0	0	70.0
10/05/07	7:50	6	140	70.0
10/05/07	8:50	6	150	70.0
10/05/07	8:50	6	150	73.0
10/05/07	11:50	11	140	81.0
10/05/07	12:50	11	140	82.0
10/05/07	13:45	7	170	84.0
10/05/07	14:50	7	160	84.0
10/05/07	15:45	7	150	86.0
10/05/07	16:48	5	140	84.0
10/05/07	17:45	5	140	82.0
10/05/07	18:50	0	0	75.0
10/05/07	19:45	0	0	75.0
10/05/07	20:47	0	0	79.0
10/06/07	4:50	6	180	75.0
10/06/07	5:45	6	180	75.0
10/06/07	7:45	5	200	73.0
10/06/07	8:50	9	200	77.0
10/06/07	9:50	9	200	81.0

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 10/20/07

SAMPLES COLLECTED DURING W/E 10/20/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	1
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/15/2007
Date of Discovery:	10/18/07 – 10/23/07
Exceedance Type	Notification

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (10/18/07)	11.195 (J)	6	30

J= Estimated Value

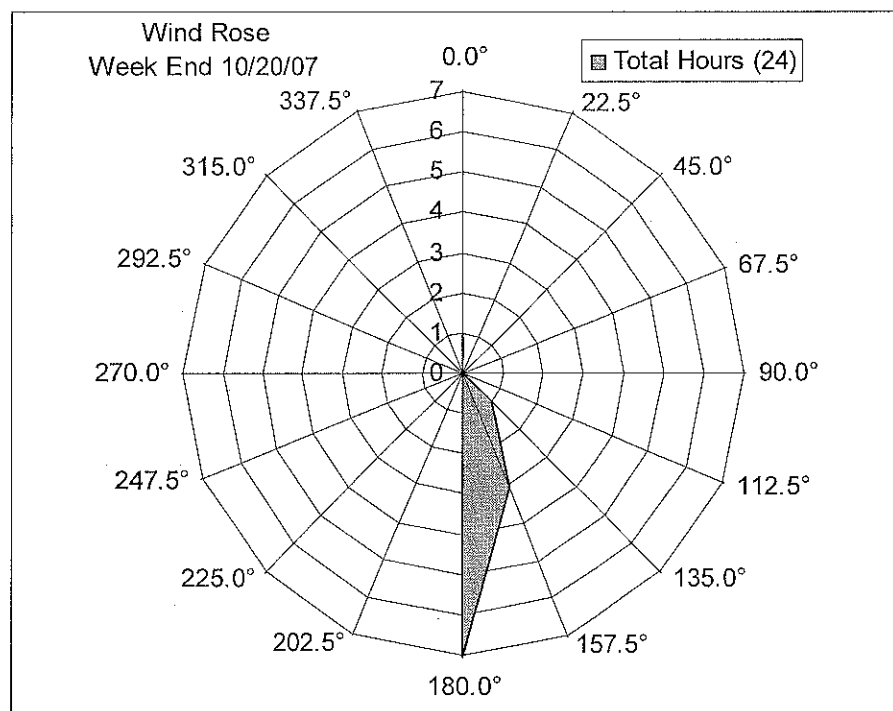
Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/15/2007
Date of Discovery:	10/18/07 – 10/23/07
Exceedance Type	No Exceedances to report

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

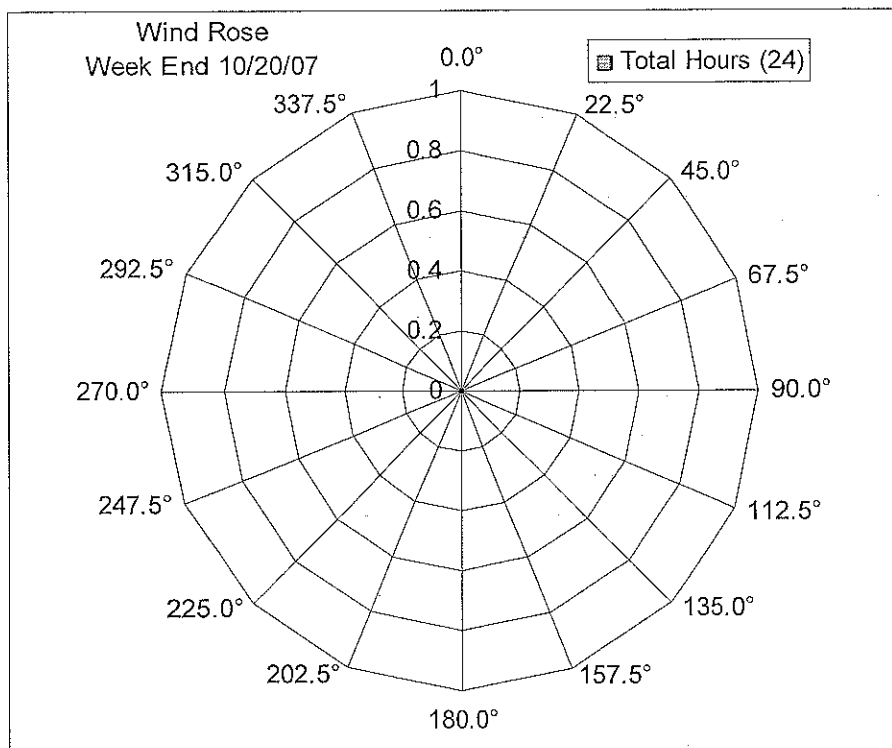
Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/15/2007
Date of Discovery:	10/18/07 – 10/23/07
Exceedance Type	No Exceedances to report
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/15/2007
Date of Discovery:	10/18/07 – 10/23/07
Exceedance Type	No Exceedances to report

Meteorological Conditions during Event(s):

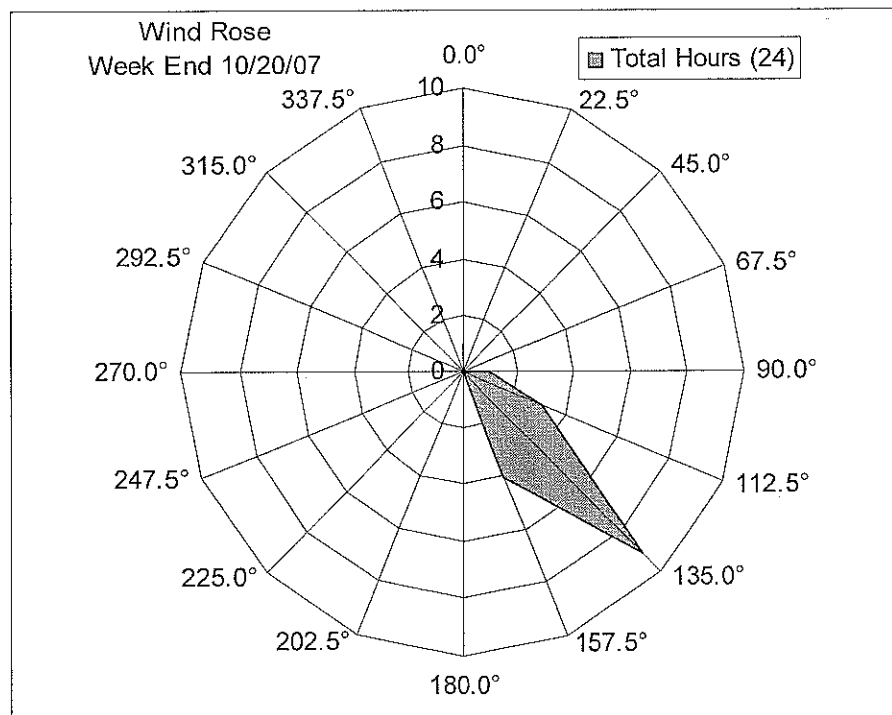
10/15/07 – 10/16/07



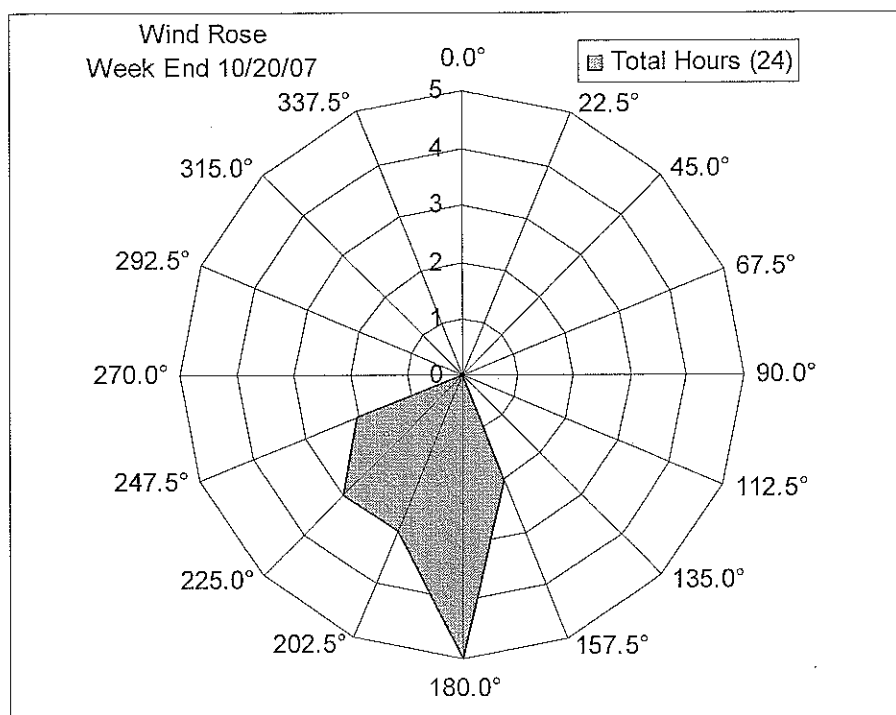
10/16/07 – 10/17/07



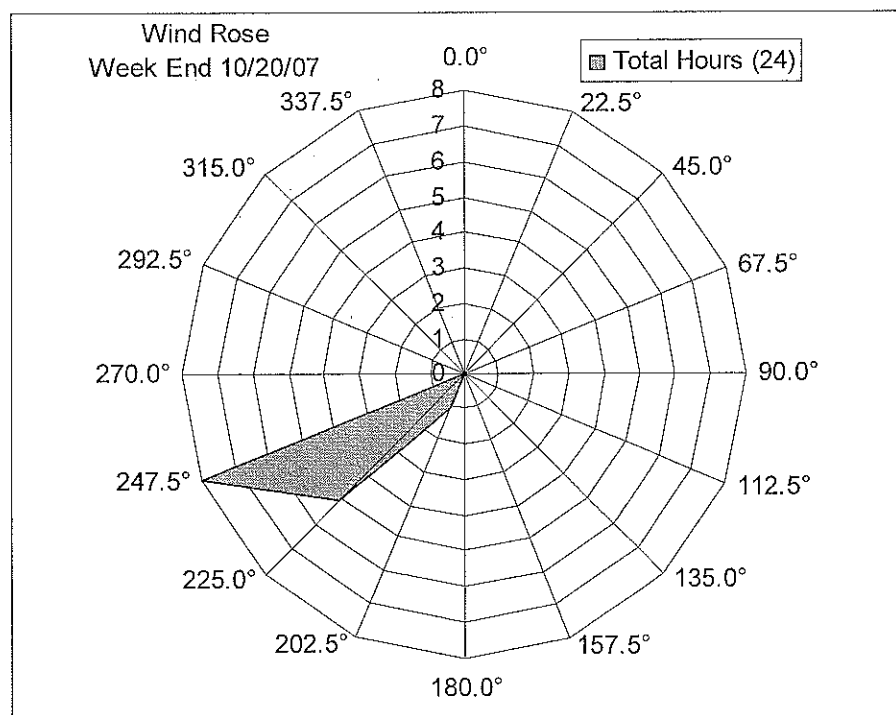
10/17/07 – 10/18/07



10/18/07 – 10/19/07



10/19/07 – 10/20/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
10/15/07	8:50	7	150	61.0
10/15/07	9:50	8	170	64.0
10/15/07	10:50	8	160	70.0
10/15/07	11:50	8	170	73.0
10/15/07	12:50	5	150	77.0
10/15/07	13:50	13	170	79.0
10/15/07	14:45	7	170	79.0
10/15/07	15:50	8	170	77.0
10/15/07	21:50	9	140	70.0
10/16/07	4:45	9	170	64.0
10/16/07	6:45	7	180	63.0
10/16/07	8:50	0	0	63.0
10/17/07	8:50	0	0	57.0
10/17/07	11:50	5	140	70.0
10/17/07	12:50	11	140	73.0
10/17/07	13:45	17	120	75.0
10/17/07	14:50	14	120	75.0
10/17/07	15:45	11	130	75.0
10/17/07	16:50	11	130	75.0
10/17/07	17:50	11	130	73.0
10/17/07	18:45	11	110	70.0
10/17/07	19:50	11	100	70.0
10/17/07	20:50	9	130	70.0
10/17/07	21:50	11	130	70.0
10/17/07	4:50	11	150	68.0
10/17/07	5:50	11	160	68.0
10/17/07	6:50	9	140	68.0
10/17/07	7:50	9	140	70.0
10/17/07	8:50	11	150	70.0
10/17/07	9:50	11	150	72.0
10/18/07	12:50	14	180	79.0
10/18/07	13:50	14	180	81.0
10/18/07	14:50	14	190	81.0
10/18/07	16:50	14	200	81.0
10/18/07	18:50	7	230	77.0
Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
10/18/07	20:58	11	190	70.0
10/18/07	21:45	11	190	66.0
10/19/07	4:45	11	210	59.0
10/19/07	5:50	14	210	57.0

10/19/07	6:50	14	220	57.0
10/19/07	7:50	11	220	57.0
10/19/07	9:50	17	240	61.0
10/19/07	10:50	17	240	61.0
10/19/07	11:50	17	250	61.0
10/19/07	12:50	17	240	61.0
10/19/07	14:48	14	240	81.0
10/19/07	19:45	14	250	61.0
10/19/07	20:45	14	240	61.0
10/19/07	21:45	14	250	61.0
10/20/07	4:50	11	230	54.0
10/20/07	5:50	11	230	50.0
10/20/07	7:50	9	220	50.0
10/20/07	8:50	9	220	54.0
10/20/07	9:45	9	220	57.0
10/20/07	10:45	9	210	63.0

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 10/13/07

SAMPLES COLLECTED DURING W/E 10/13/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	0
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	1
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/8/2007
Date of Discovery:	10/11/07 – 10/16/07
Exceedance Type	No Exceedances to Report

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/8/2007
Date of Discovery:	10/11/07 – 10/16/07
Exceedance Type	Notification

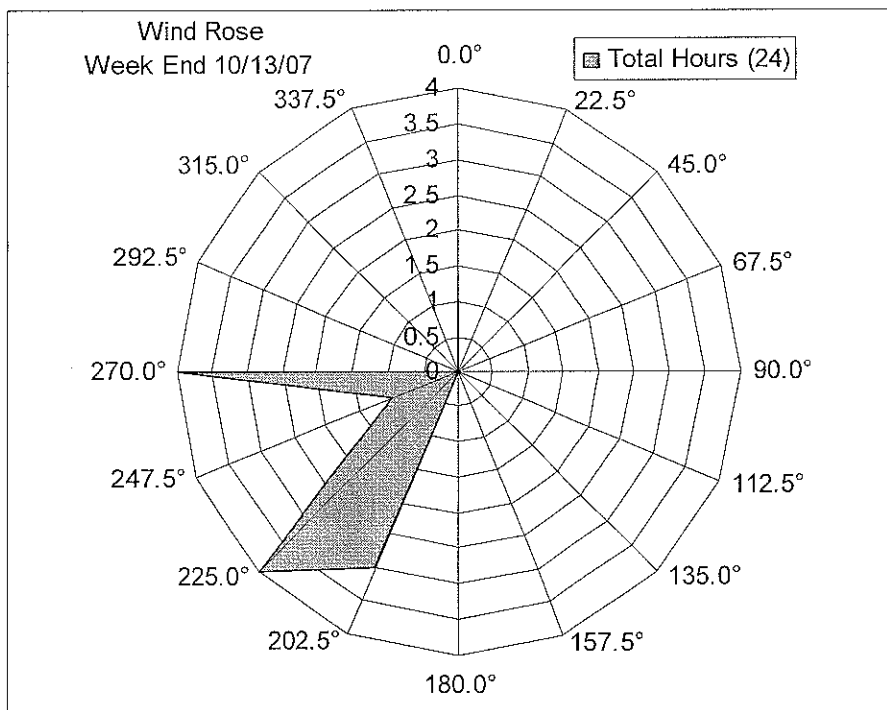
Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (10/12/07)	10.182	6	30

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

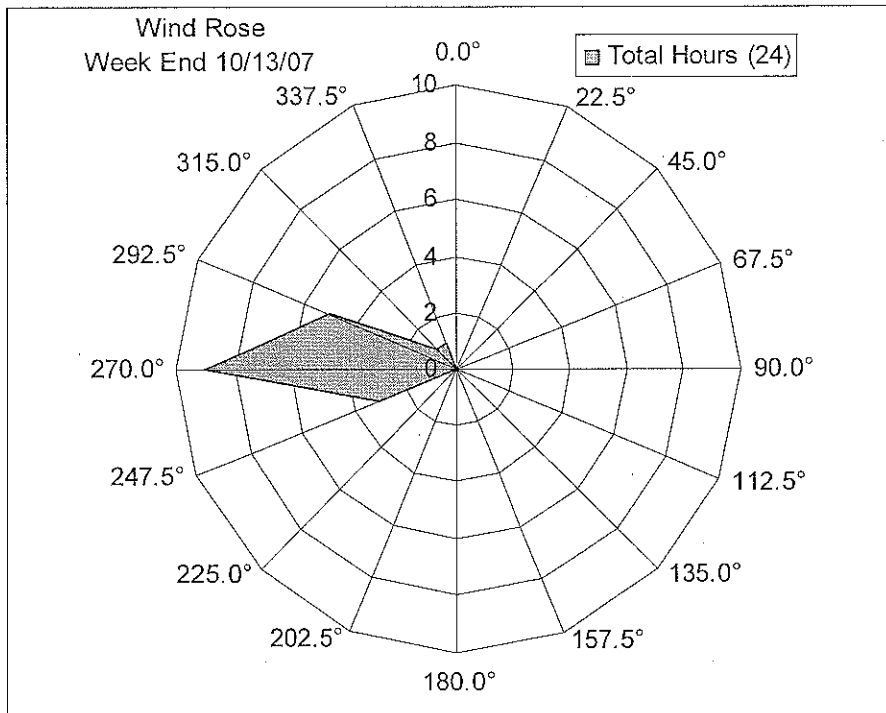
Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/8/2007
Date of Discovery:	10/11/07 – 10/16/07
Exceedance Type	No Exceedances to Report
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 10/8/2007
Date of Discovery:	10/11/07 – 10/16/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

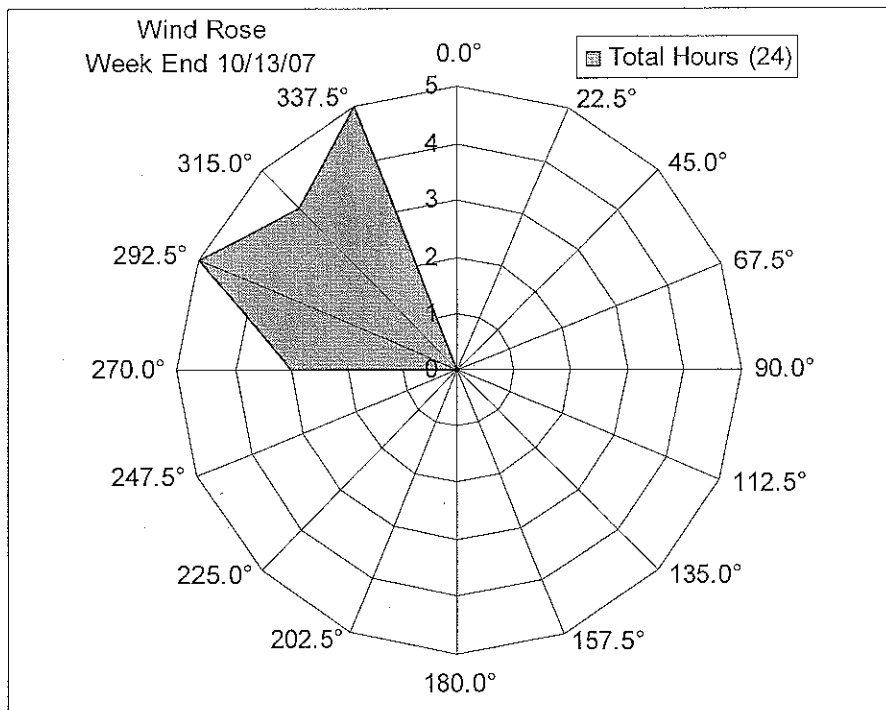
10/8/07 – 10/9/07



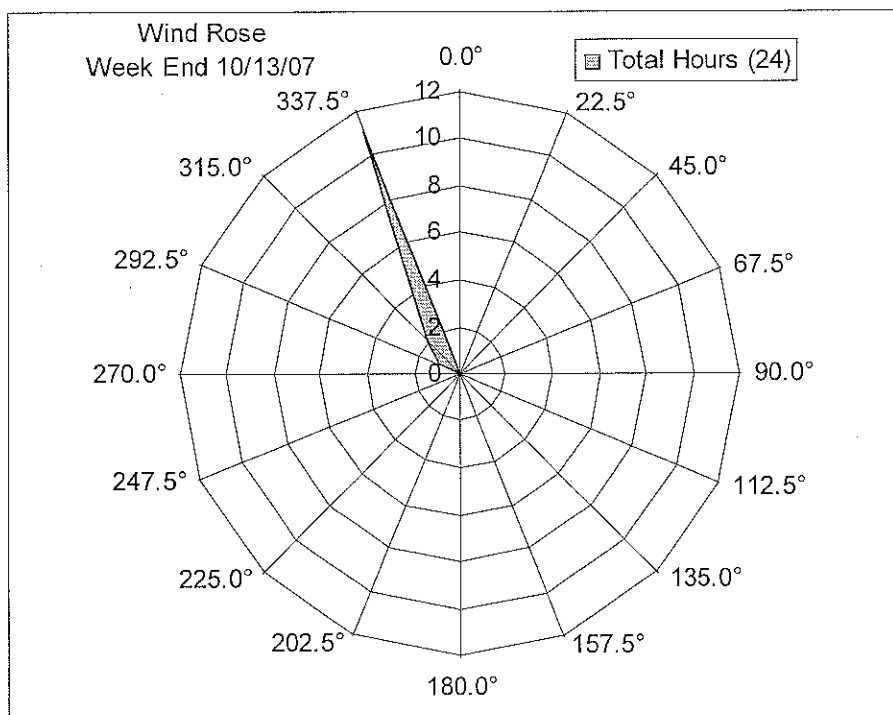
10/9/07 – 10/10/07



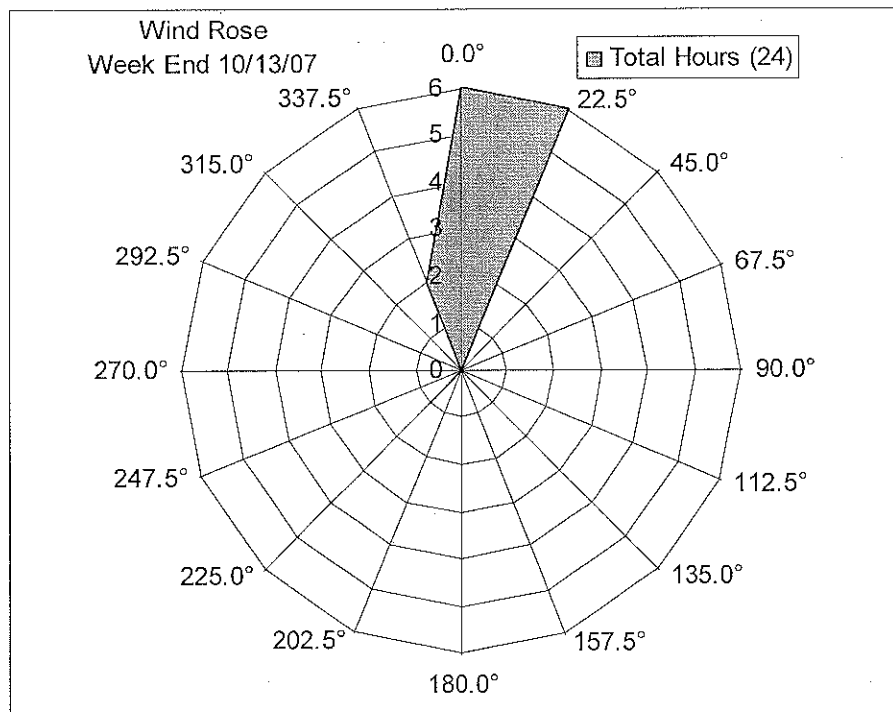
10/10/07 – 10/11/07



10/11/07 – 10/12/07



10/12/07 – 10/13/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
10/08/07	6:50	0	0	70.0
10/08/07	11:50	9	220	84.0
10/08/07	12:45	9	230	88.0
10/08/07	13:50	11	200	91.0
10/08/07	14:50	11	210	91.0
10/08/07	15:50	11	210	91.0
10/08/07	20:50	11	280	75.0
10/08/07	21:50	9	280	75.0
10/08/07	4:45	7	230	57.0
10/08/07	6:45	7	230	57.0
10/09/07	7:50	7	260	57.0
10/09/07	8:45	9	270	61.0
10/09/07	9:50	8	250	66.0
10/09/07	10:50	9	250	70.0
10/09/07	11:50	9	240	73.0
10/09/07	12:50	11	260	75.0
10/09/07	13:50	16	260	79.0
10/09/07	14:50	18	260	79.0
10/09/07	15:50	14	260	79.0
10/09/07	16:50	17	260	79.0
10/09/07	17:50	17	280	75.0
10/09/07	18:45	17	270	45.0
10/09/07	19:50	17	300	70.0
10/09/07	20:50	17	300	64.0
10/09/07	21:50	-1	300	61.0
10/10/07	4:45	11	280	52.0
10/10/07	6:50	16	330	50.0
10/10/07	7:45	13	320	50.0
10/10/07	8:50	13	290	50.0
10/10/07	9:50	13	290	50.0
10/10/07	10:50	11	280	50.0
10/10/07	11:45	11	290	54.0
10/10/07	12:50	17	280	54.0
10/10/07	15:59	11	290	55.0
Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
10/10/07	16:56	11	310	55.0
10/10/07	17:50	14	300	55.0
10/10/07	18:50	11	310	55.0
10/10/07	19:50	14	310	54.0
10/10/07	20:50	11	290	52.0

10/11/07	4:50	14	320	54.0
10/11/07	5:50	16	330	54.0
10/11/07	6:45	16	330	54.0
10/11/07	7:45	15	330	54.0
10/11/07	8:50	16	330	55.0
10/11/07	9:50	21	340	55.0
10/11/07	10:50	23	340	54.0
10/11/07	11:50	17	340	55.0
10/11/07	12:50	17	340	55.0
10/11/07	13:50	21	340	55.0
10/11/07	15:46	21	340	55.0
10/11/07	16:50	14	340	55.0
10/11/07	17:48	14	300	55.0
10/11/07	19:50	11	330	54.0
10/11/07	20:50	11	310	50.0
10/12/07	4:45	9	310	50.0
10/12/07	6:50	11	330	50.0
10/12/07	9:50	11	340	54.0
10/12/07	11:45	11	340	55.0
10/12/07	13:50	9	30	55.0
10/12/07	14:48	7	30	55.0
10/12/07	15:49	7	30	55.0
10/12/07	16:45	7	30	55.0
10/12/07	17:45	7	30	55.0
10/12/07	18:50	7	30	50.0
10/12/07	21:50	0	0	43.0
10/13/07	4:50	0	0	45.0
10/13/07	5:50	0	0	46.0
10/13/07	6:50	0	0	48.0
10/13/07	7:50	0	0	48.0
10/13/07	8:50	0	0	50.0
Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
10/13/07	9:50	3	230	52.0

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



United States Steel Corporation
Gary Works
One North Broadway
Gary, IN 46402-3199

RECEIVED
SEP 17 2007

Via Email and Regular Mail

September 13, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

FRONT OFFICE
W. L. ... & Toxics Division
U.S. EPA - REGION 5

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
8/25/07	5	2	0

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

September 13, 2007
Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 8/25/07

SAMPLES COLLECTED DURING W/E 8/25/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	0
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	2
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 8/20/2007
Date of Discovery:	8/23/07 – 8/29/07
Exceedance Type	No Exceedances to Report

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 8/20/2007
Date of Discovery:	8/23/07 – 8/29/07
Exceedance Type	Notification

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (8/21/07)	6.051 (J)	6	30
Naphthalene (8/25/07)	7.623(J)	6	30

J = Estimated Value

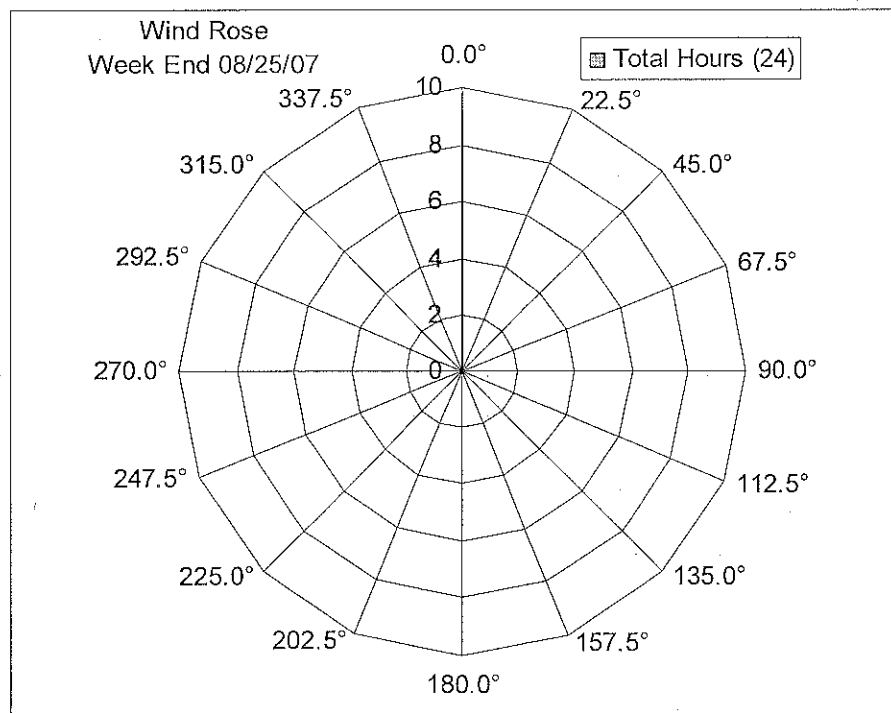
¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 8/20/2007
Date of Discovery:	8/23/07 – 8/29/07
Exceedance Type	No Exceedances to Report

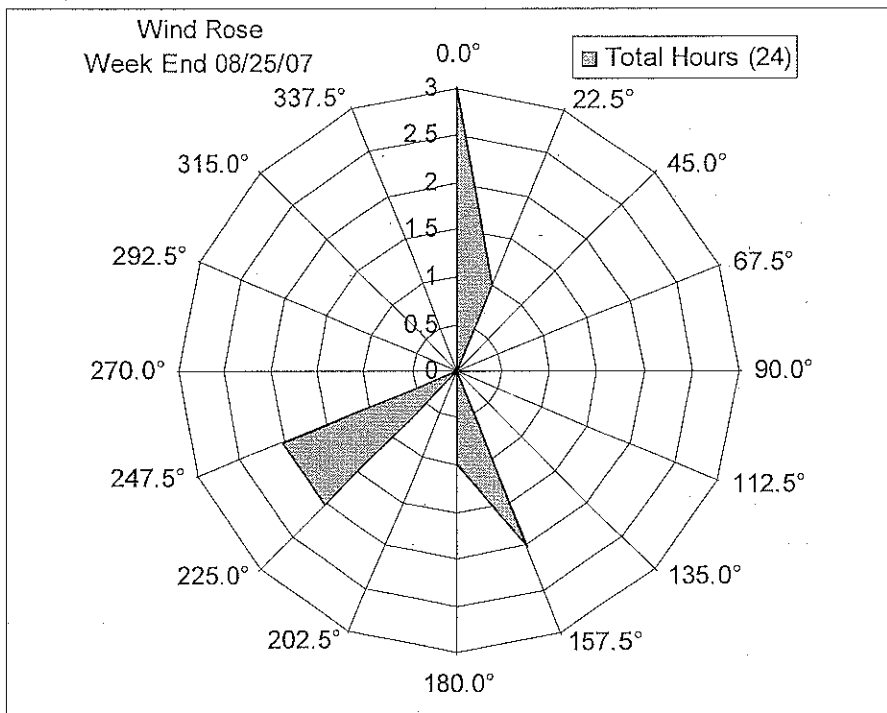
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 8/20/2007
Date of Discovery:	8/23/07 – 8/29/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

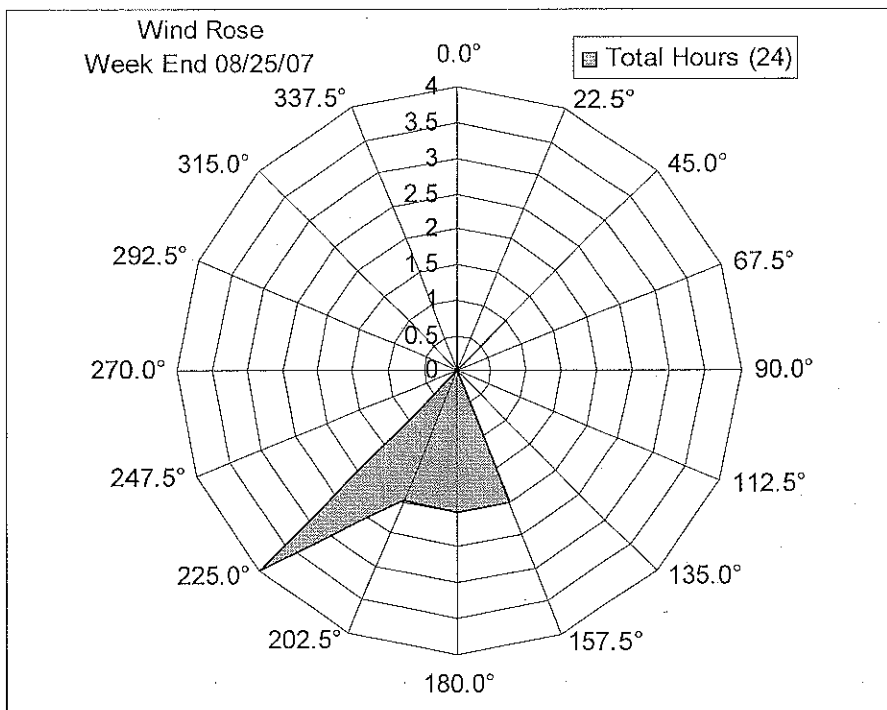
8/20/07 – 8/21/07



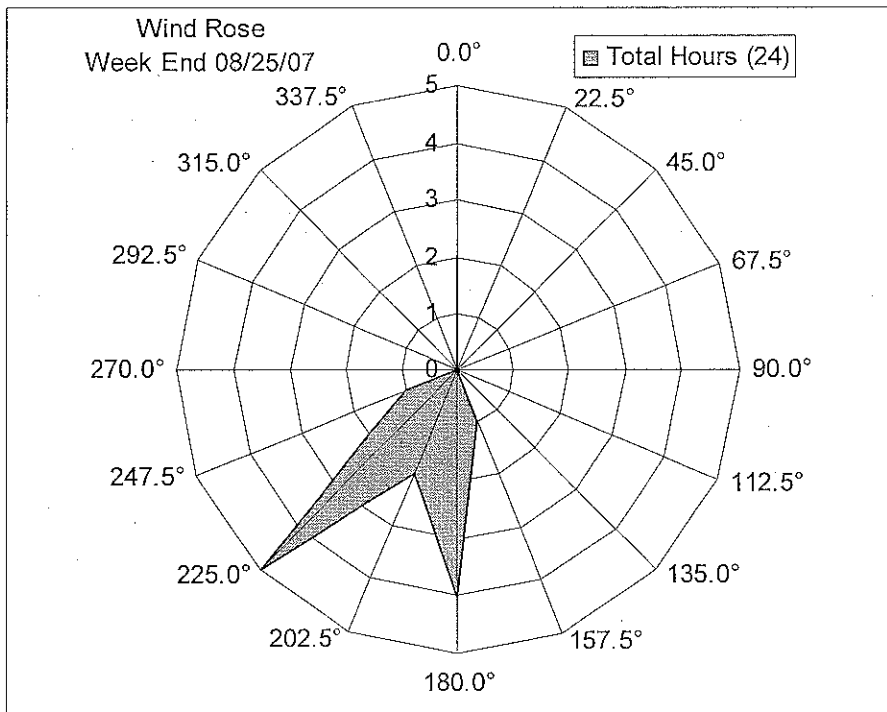
8/21/07 – 8/22/07



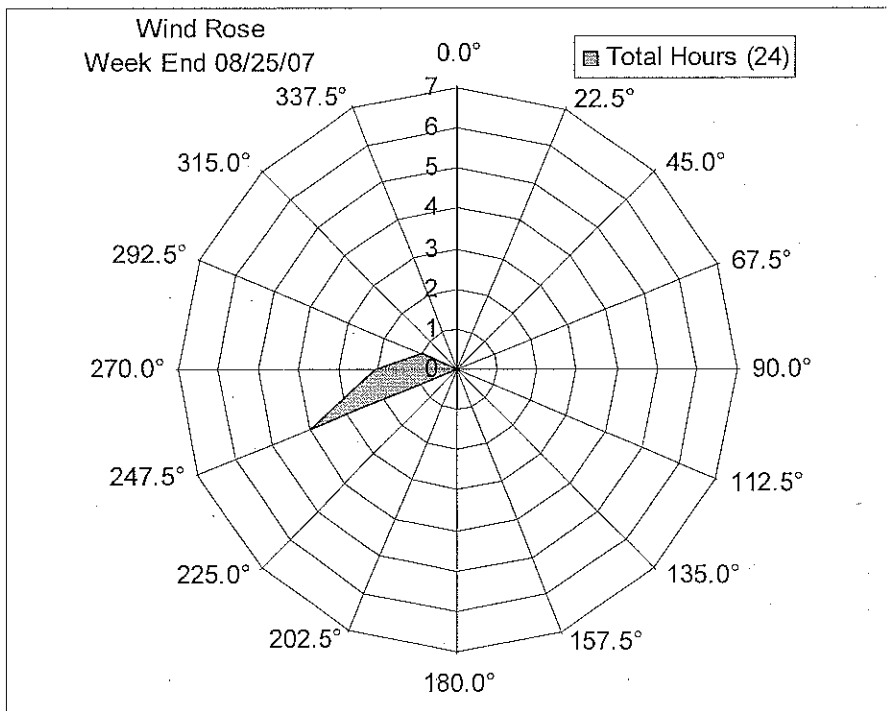
8/22/07 – 8/23/07



8/23/07 – 8/24/07



8/24/07 – 8/25/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
08/20/07	9:50	3	Var	73.0
08/20/07	10:50	6	Var	75.0
08/20/07	11:50	0	0	77.0
08/20/07	12:50	0	0	77.0
08/20/07	13:50	0	0	79.0
08/20/07	14:50	6	Var	75.0
08/20/07	15:50	6	Var	73.0
08/20/07	16:50	0	0	75.0
08/20/07	17:50	0	0	75.0
08/20/07	18:50	5	Var	79.0
08/20/07	20:50	0	0	73.0
08/20/07	21:50	0	0	75.0
08/21/07	4:45	0	0	70.0
08/21/07	5:50	0	0	70.0
08/21/07	6:50	6	Var	72.0
08/21/07	7:50	6	Var	70.0
08/21/07	8:45	6	Var	72.0
08/21/07	9:45	6	Var	73.0
08/21/07	10:50	6	Var	75.0
08/21/07	11:50	6	Var	81.0
08/21/07	13:50	6	Var	88.0
08/21/07	14:50	6	Var	91.0
08/21/07	15:50	9	230	91.0
08/21/07	16:50	14	240	91.0
08/21/07	17:50	11	230	86.0
08/21/07	18:50	9	190	84.0
08/21/07	19:50	0	0	82.0
08/21/07	20:50	0	0	82.0
08/21/07	21:50	0	0	79.0
08/22/07	4:50	7	240	81.0
08/22/07	5:50	14	20	N/A
08/22/07	6:50	9	100	73.0
08/22/07	7:45	11	150	73.0
08/22/07	8:50	11	160	79.0
08/22/07	9:50	7	Var	81.0
08/22/07	10:50	6	Var	86.0
08/22/07	11:59	6	Var	91.0
08/22/07	12:50	3	Var	93.0
08/22/07	13:50	3	Var	N/A
08/22/07	14:50	9	220	95.0

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
08/22/07	15:50	11	210	95.0
08/22/07	16:50	11	210	93.0
08/22/07	17:50	11	220	93.0
08/22/07	18:50	11	220	91.0
08/22/07	20:50	8	220	81.0
08/22/07	21:50	11	50	77.0
08/23/07	4:50	8	10	73.0
08/23/07	5:55	3	Var	72.0
08/23/07	6:55	6	Var	73.0
08/23/07	7:50	9	150	73.0
08/23/07	8:50	11	160	77.0
08/23/07	9:50	11	170	81.0
08/23/07	10:50	9	180	84.0
08/23/07	11:50	9	230	90.0
08/23/07	12:50	11	220	91.0
08/23/07	13:50	11	220	93.0
08/23/07	14:55	11	220	93.0
08/23/07	18:50	6	Var	75.0
08/23/07	19:50	11	220	N/A
08/23/07	20:46	0	0	70.0
08/23/07	21:46	7	200	72.0
08/24/07	4:50	0	0	70.0
08/24/07	5:50	9	210	70.0
08/24/07	6:50	7	Var	70.0
08/24/07	7:50	8	180	73.0
08/24/07	8:50	9	170	75.0
08/24/07	9:50	9	160	75.0
08/24/07	10:50	11	170	81.0
08/24/07	11:50	9	240	81.0
08/24/07	12:55	7	250	82.0
08/24/07	13:50	7	250	81.0
08/24/07	14:47	6	Var	79.0
08/24/07	15:49	6	290	84.0
08/24/07	16:45	6	280	86.0
08/24/07	17:48	7	270	84.0
08/24/07	21:48	7	250	77.0
08/25/07	4:50	0	0	N/A
08/25/07	5:50	0	0	N/A
08/25/07	6:49	0	0	73.0
08/25/07	7:55	0	0	70.0
08/25/07	8:50	7	350	70.0

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
08/25/07	9:50	9	350	70.0
08/25/07	10:45	9	350	72.0

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



United States Steel Corporation
Gary Works
One North Broadway
Gary, IN 46402-3199

Via Email and Regular Mail

August 27, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
8/11/07	5	1	1

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in cursive script that reads "Richard L. Menozzi".

Richard L. Menozzi

August 27, 2007
Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 8/11/07

SAMPLES COLLECTED DURING W/E 8/11/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	0
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	2
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 8/6/2007
Date of Discovery:	8/9/07 – 8/14/07
Exceedance Type	No Exceedances to Report

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 8/6/2007
Date of Discovery:	8/9/07 – 8/14/07
Exceedance Type	Notification & Action

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (8/7/07)	38.411(U)	6	30
Naphthalene (8/9/07)	28.015	6	30

J = Estimated Value

U = Not Detected Value in either CM2 or CM3. The results from CM2 and CM3 are a average.

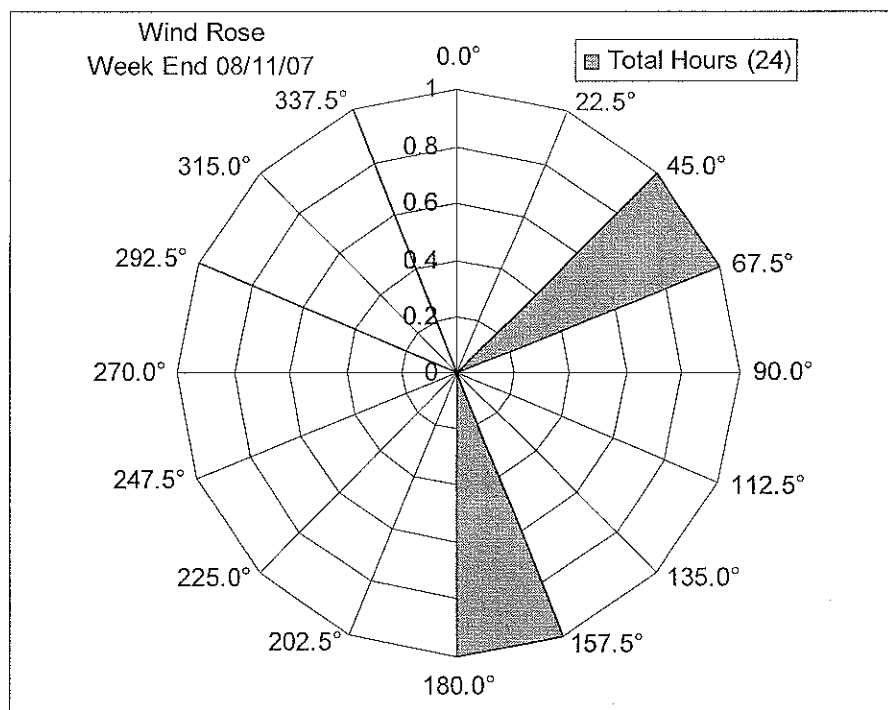
¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 8/6/2007
Date of Discovery:	8/9/07 – 8/14/07
Exceedance Type	No Exceedances to Report

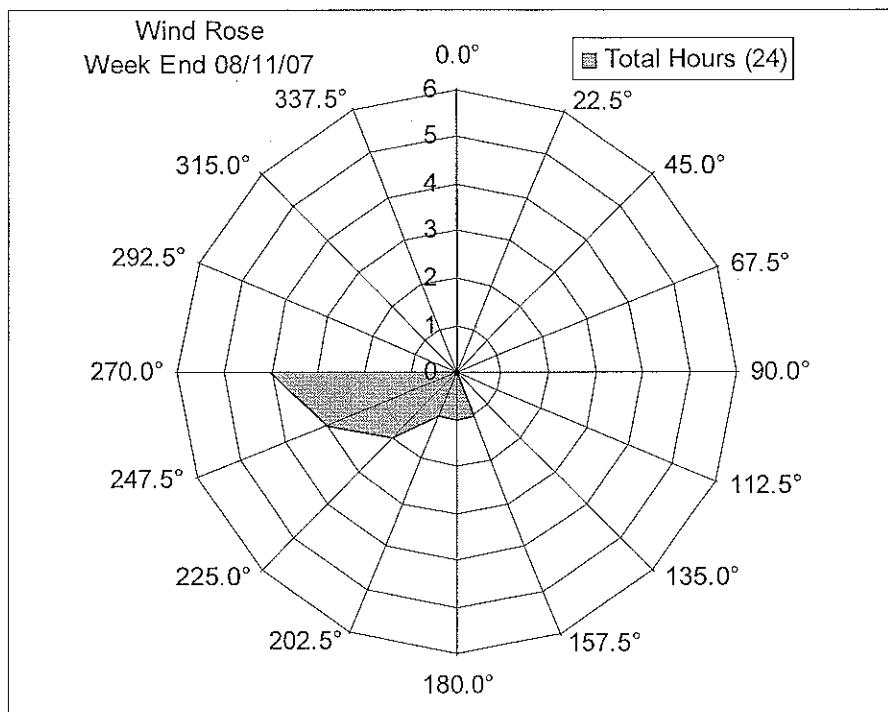
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 8/6/2007
Date of Discovery:	8/9/07 – 8/14/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

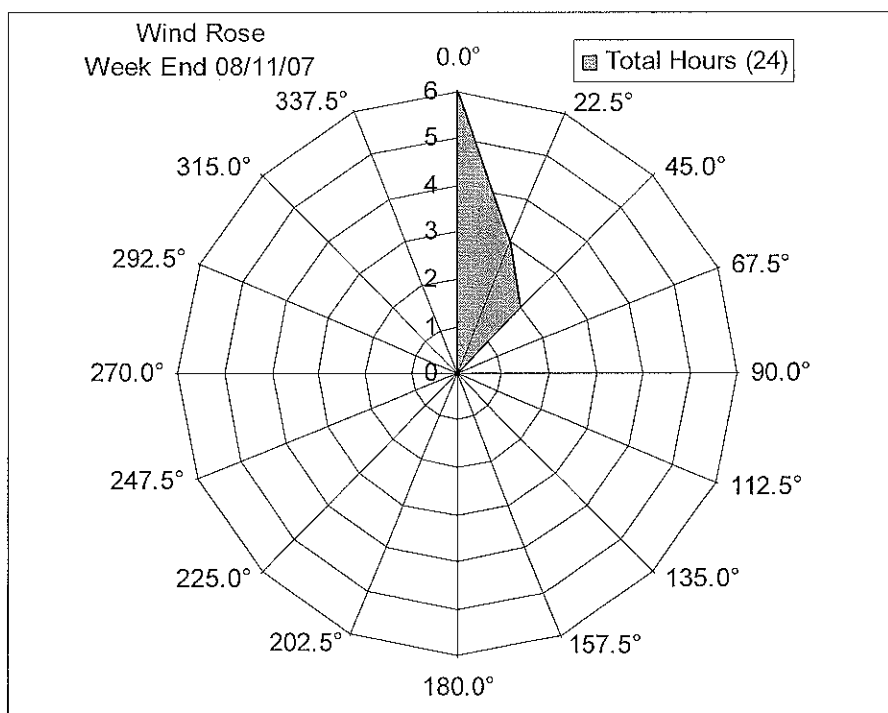
8/6/07 – 8/7/07



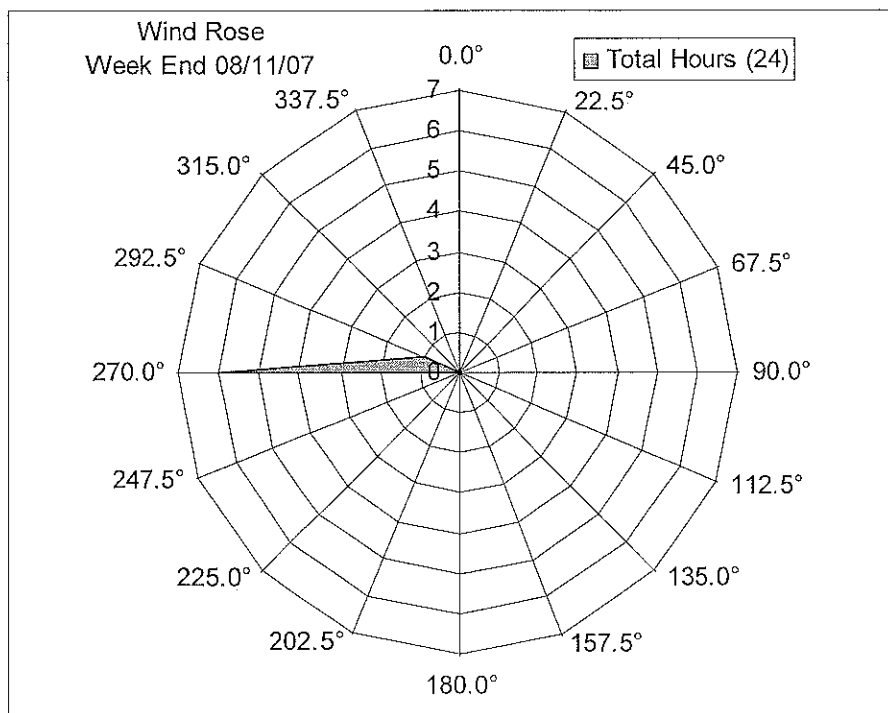
8/7/07 – 8/8/07



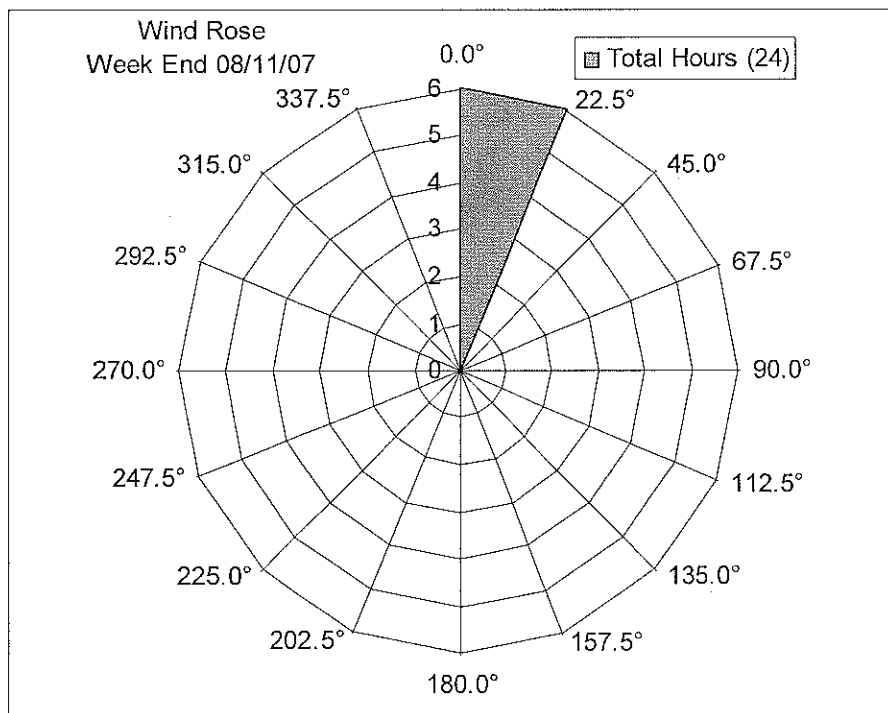
8/8/07 – 8/9/07



8/9/07 – 8/10/07



8/10/07 – 8/11/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
08/06/07	8:47	5	Var	81.0
08/06/07	9:50	7	Var	82.0
08/06/07	11:50	7	Var	82.0
08/06/07	12:50	7	Var	82.0
08/06/07	13:50	7	Var	84.0
08/06/07	14:50	9	60	86.0
08/06/07	15:50	8	50	82.0
08/06/07	16:50	3	Var	81.0
08/06/07	17:50	3	Var	81.0
08/06/07	19:50	14	290	79.0
08/06/07	20:50	6	Var	75.0
08/06/07	21:50	6	Var	75.0
08/07/07	4:50	11	340	77.0
08/07/07	5:50	5	Var	75.0
08/07/07	6:50	5	Var	75.0
08/07/07	7:50	7	Var	75.0
08/07/07	8:50	7	150	79.0
08/07/07	9:50	7	180	84.0
08/07/07	10:50	7	220	88.0
08/07/07	11:50	6	230	91.0
08/07/07	12:50	9	240	91.0
08/07/07	14:50	11	210	93.0
08/07/07	15:50	14	250	93.0
08/07/07	16:50	11	260	93.0
08/07/07	17:50	11	260	93.0
08/07/07	18:50	11	250	91.0
08/07/07	19:45	9	260	91.0
08/07/07	20:50	8	260	84.0
08/07/07	21:50	0	0	84.0
08/08/07	4:45	0	0	77.0
08/08/07	5:50	0	0	75.0
08/08/07	6:50	0	0	75.0
Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
08/08/07	7:50	0	0	79.0
08/08/07	10:55	0	0	84.0
08/08/07	11:55	6	Var	84.0

08/08/07	12:50	6	Var	N/A
08/08/07	14:50	8	30	82.0
08/08/07	15:50	8	30	82.0
08/08/07	16:50	8	20	81.0
08/08/07	20:50	6	40	77.0
08/08/07	21:50	8	40	77.0
08/09/07	5:50	3	Var	75.0
08/09/07	6:50	0	0	75.0
08/09/07	7:50	0	0	75.0
08/09/07	8:50	0	0	77.0
08/09/07	9:50	0	0	79.0
08/09/07	10:50	6	280	81.0
08/09/07	11:50	9	270	84.0
08/09/07	12:50	5	Var	88.0
08/09/07	13:50	11	270	88.0
08/09/07	14:50	11	280	90.0
08/09/07	15:55	11	270	91.0
08/09/07	16:45	11	290	88.0
08/09/07	17:50	11	280	88.0
08/09/07	20:50	7	Var	79.0
08/09/07	21:50	0	0	79.0
08/10/07	4:50	0	0	73.0
08/10/07	5:50	0	0	70.0
08/10/07	6:50	0	0	73.0
08/10/07	7:50	0	0	77.0
08/10/07	8:50	5	Var	81.0
08/10/07	9:50	6	Var	82.0
08/10/07	10:50	8	10	82.0
08/10/07	13:50	9	30	82.0
08/10/07	14:50	9	30	82.0
Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
08/10/07	16:50	9	20	81.0
08/10/07	17:50	9	20	81.0
08/10/07	18:48	9	30	81.0
08/10/07	20:50	9	30	75.0
08/10/07	21:50	5	Var	72.0
08/11/07	5:50	0	0	64.0
08/11/07	6:50	0	0	N/A
08/11/07	7:50	0	0	75.0

08/11/07	8:50	0	0	79.0
08/11/07	9:50	0	0	81.0

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



United States Steel Corporation
Gary Works
One North Broadway
Gary, IN 46402-3199

Via Email and Regular Mail

August 27, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
8/4/07	5	0	3

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in cursive script that reads "Richard L. Menozzi".

Richard L. Menozzi

August 27, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 8/4/07

SAMPLES COLLECTED DURING W/E 8/4/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	1
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	2
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/30/2007
Date of Discovery:	8/2/07 – 8/8/07
Exceedance Type	Action

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (8/2/07)	31.987	6	30

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/30/2007
Date of Discovery:	8/2/07 – 8/8/07
Exceedance Type	Action

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (8/2/07)	158.734	6	30
Naphthalene (8/4/07)	38.411(J)	6	30

J = Estimated Value

U = Not Detected Value in either CM2 or CM3. The results from CM2 and CM3 are a average.

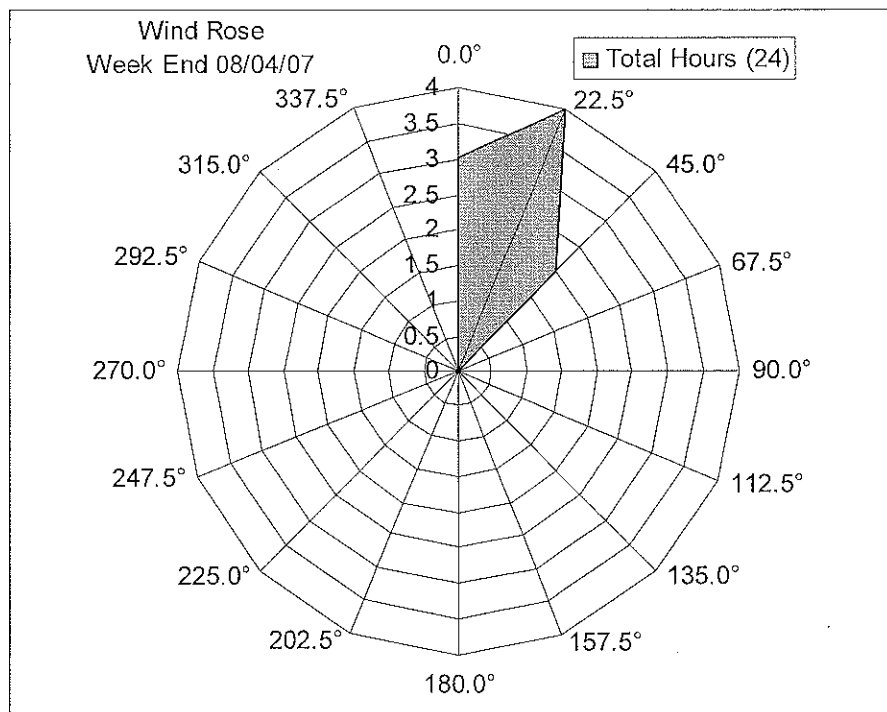
¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/30/2007
Date of Discovery:	8/2/07 – 8/8/07
Exceedance Type	No Exceedances to Report

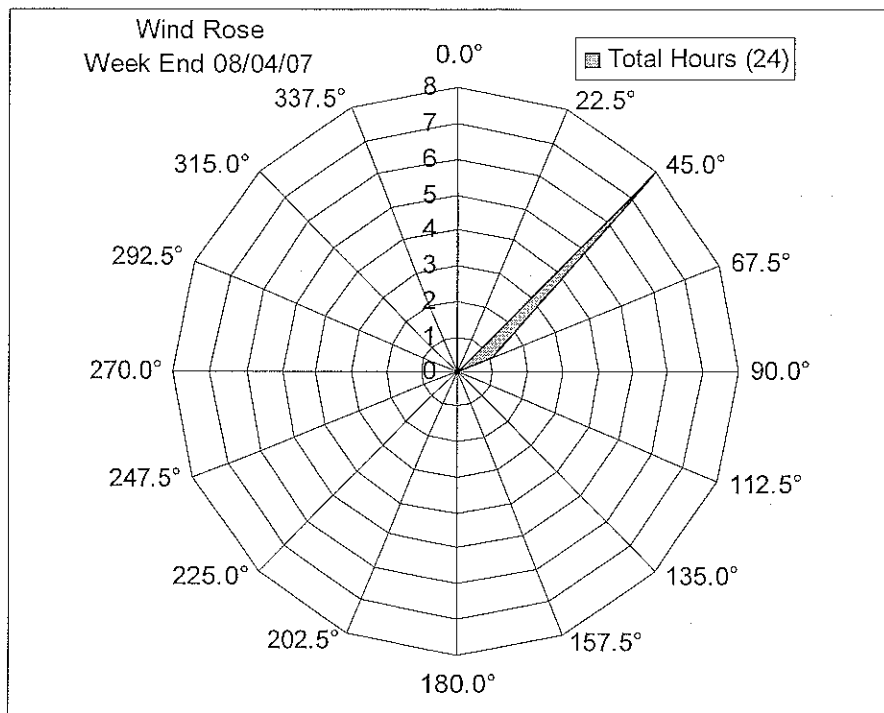
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/30/2007
Date of Discovery:	8/2/07 – 8/8/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

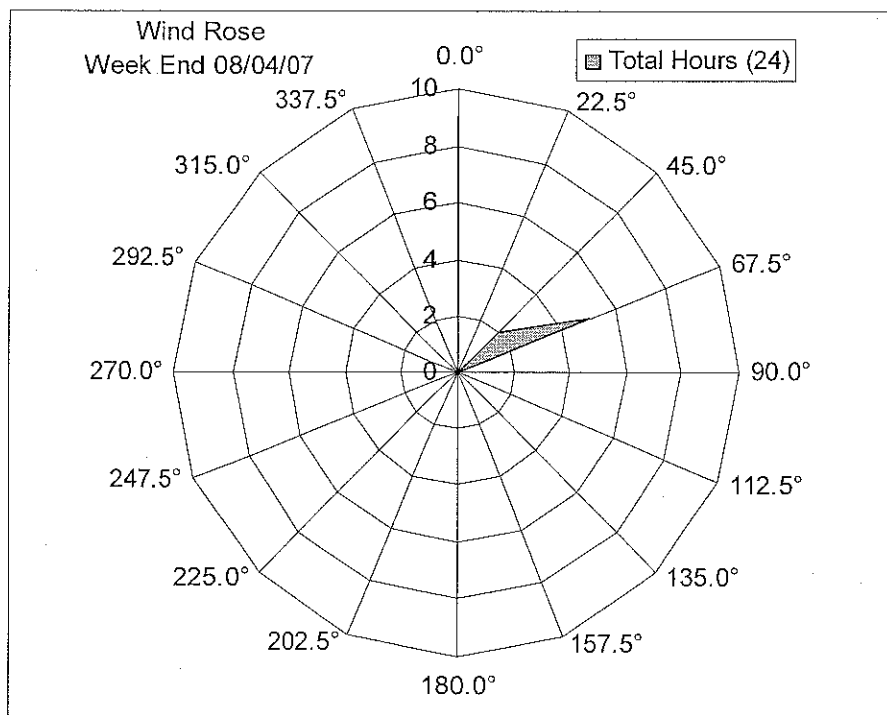
7/30/07 – 7/31/07



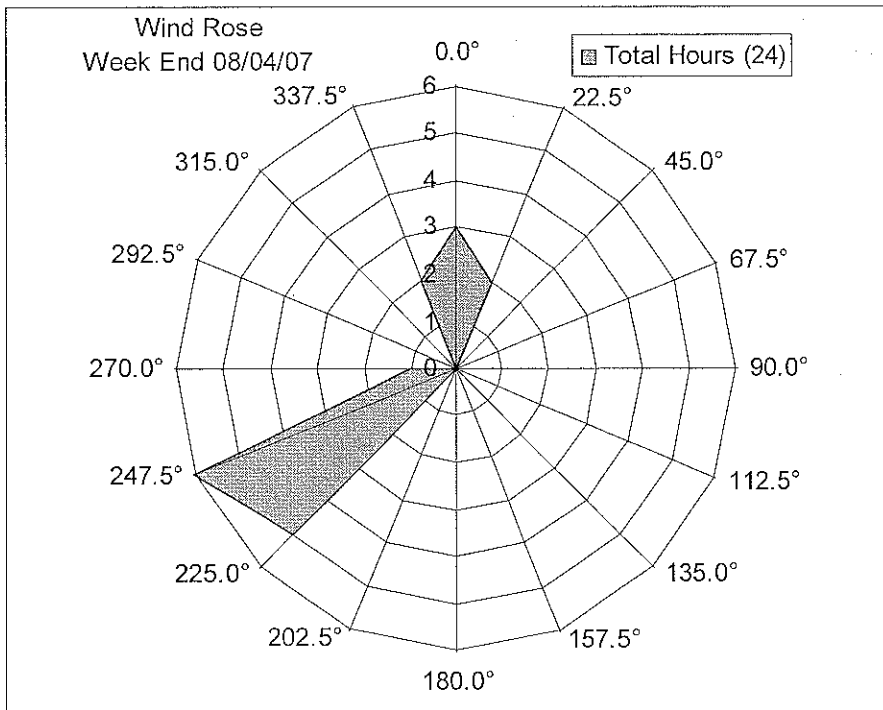
7/31/07 – 8/1/07



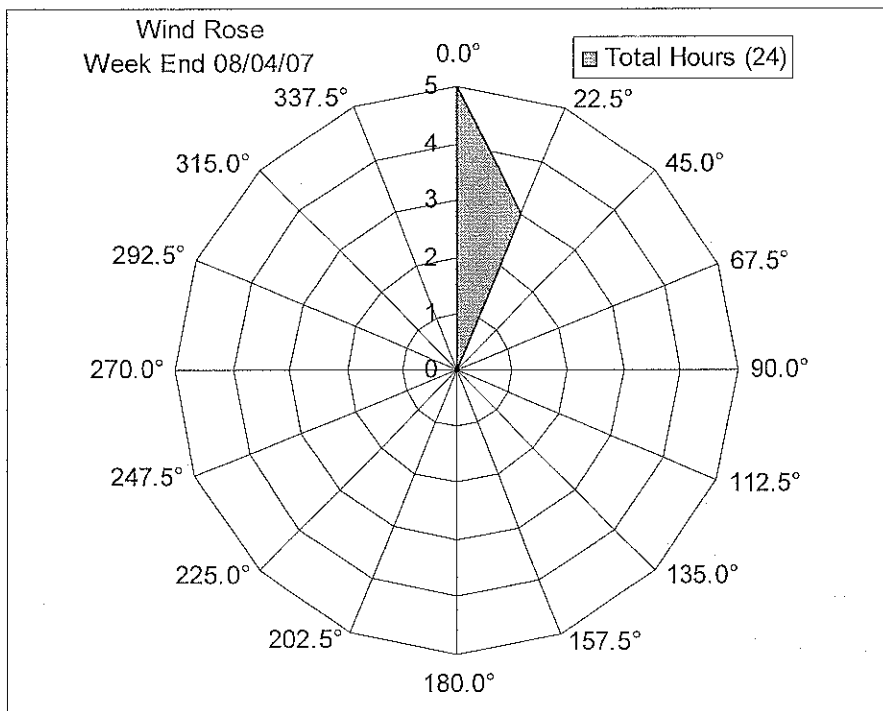
8/1/07 – 8/2/07



8/2/07 – 8/3/07



8/3/07 – 8/4/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/30/07	8:48	5	Var	77.0
07/30/07	9:50	5	Var	79.0
07/30/07	10:50	7	Var	81.0
07/30/07	11:50	5	Var	81.0
07/30/07	12:45	7	Var	82.0
07/30/07	13:50	11	20	82.0
07/30/07	14:55	7	20	82.0
07/30/07	15:50	7	40	82.0
07/30/07	17:50	7	30	82.0
07/30/07	18:50	5	20	81.0
07/30/07	19:50	5	Var	79.0
07/30/07	20:50	3	Var	70.0
07/30/07	21:50	3	Var	70.0
07/31/07	4:45	0	0	64.0
07/31/07	6:46	0	0	68.0
07/31/07	7:46	0	0	75.0
07/31/07	8:45	6	Var	81.0
07/31/07	9:50	7	50	82.0
07/31/07	11:55	9	40	84.0
07/31/07	12:55	8	40	N/A
07/31/07	13:50	7	40	88.0
07/31/07	14:50	9	60	91.0
07/31/07	15:50	9	50	91.0
07/31/07	16:50	8	40	91.0
07/31/07	17:50	6	40	88.0
07/31/07	18:50	6	40	84.0
08/01/07	4:50	0	0	66.0
08/01/07	6:50	0	0	70.0
08/01/07	7:50	0	0	75.0
08/01/07	8:48	0	0	81.0
08/01/07	9:50	0	0	84.0
08/01/07	11:55	5	Var	88.0
Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
08/01/07	12:50	6	Var	91.0
08/01/07	13:50	10	50	91.0
08/01/07	14:50	9	50	91.0

08/01/07	15:50	11	60	91.0
08/01/07	16:50	11	60	91.0
08/01/07	17:50	11	60	91.0
08/01/07	18:50	11	60	88.0
08/01/07	19:50	6	60	84.0
08/01/07	20:50	0	0	82.0
08/01/07	21:50	0	0	77.0
08/02/07	4:50	0	0	70.0
08/02/07	5:50	0	0	70.0
08/02/07	6:50	0	0	75.0
08/02/07	7:50	0	0	81.0
08/02/07	8:50	5	Var	82.0
08/02/07	9:50	0	0	86.0
08/02/07	10:50	8	240	91.0
08/02/07	11:50	9	220	91.0
08/02/07	12:50	14	240	91.0
08/02/07	13:50	11	260	91.0
08/02/07	14:50	11	240	N/A
08/02/07	15:46	11	250	91.0
08/02/07	16:50	11	230	91.0
08/02/07	17:50	11	240	91.0
08/02/07	18:48	11	240	91.0
08/02/07	19:49	11	230	88.0
08/02/07	20:50	7	230	82.0
08/02/07	21:49	7	230	81.0
08/03/07	4:50	9	340	79.0
08/03/07	5:50	8	340	75.0
08/03/07	6:50	8	10	79.0
08/03/07	7:56	7	20	79.0
08/03/07	8:50	8	10	N/A
Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
08/03/07	9:50	11	20	81.0
08/03/07	10:51	9	20	N/A
08/03/07	11:52	11	20	82.0
08/03/07	12:50	7	Var	82.0
08/03/07	13:50	7	Var	86.0
08/03/07	14:48	7	Var	84.0
08/03/07	15:50	7	Var	84.0
08/03/07	16:45	7	Var	84.0

08/03/07	17:50	7	Var	82.0
08/03/07	18:50	7	Var	81.0
08/03/07	19:45	7	Var	79.0
08/03/07	20:48	7	Var	N/A
08/03/07	21:50	7	Var	75.0
08/04/07	4:50	0	0	61.0
08/04/07	6:50	0	0	N/A
08/04/07	7:50	0	0	70.0
08/04/07	9:50	0	0	81.0

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



Via Email and Regular Mail

August 13, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
7/28/07	5	2	3

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in black ink that reads "Richard L. Menozzi". The signature is written in a cursive, flowing style.

Richard L. Menozzi

August 13, 2007
Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 7/28/07

SAMPLES COLLECTED DURING W/E 7/28/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	2
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	3
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/23/2007
Date of Discovery:	7/26/07 – 7/31/07
Exceedance Type	Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (7/24/07)	186.589	6	30
Naphthalene (7/26/07)	69.304	6	30

J = Estimated Value

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/23/2007
Date of Discovery:	7/26/07 – 7/31/07
Exceedance Type	Notification & Action

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (7/24/07)	51.392 (J)	6	30
Naphthalene (7/26/07)	11.195 (U)	6	30
Naphthalene (7/20/07)	8.770 (J)	6	30

J = Estimated Value

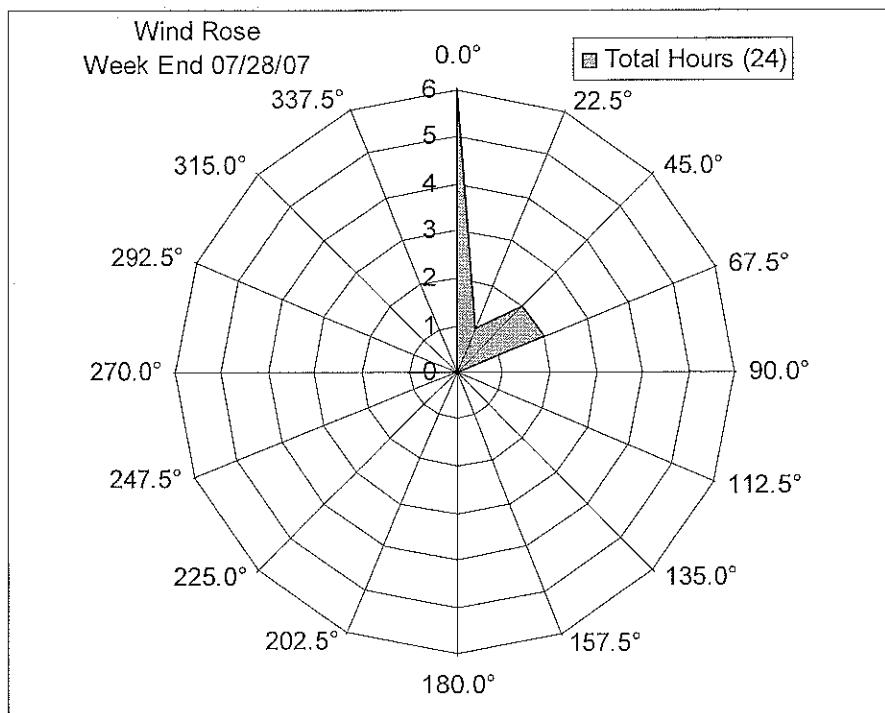
U = Not Detected Value in either CM2 or CM3. The results from CM2 and CM3 are a average.

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/23/2007
Date of Discovery:	7/26/07 – 7/31/07
Exceedance Type	No Exceedances to Report

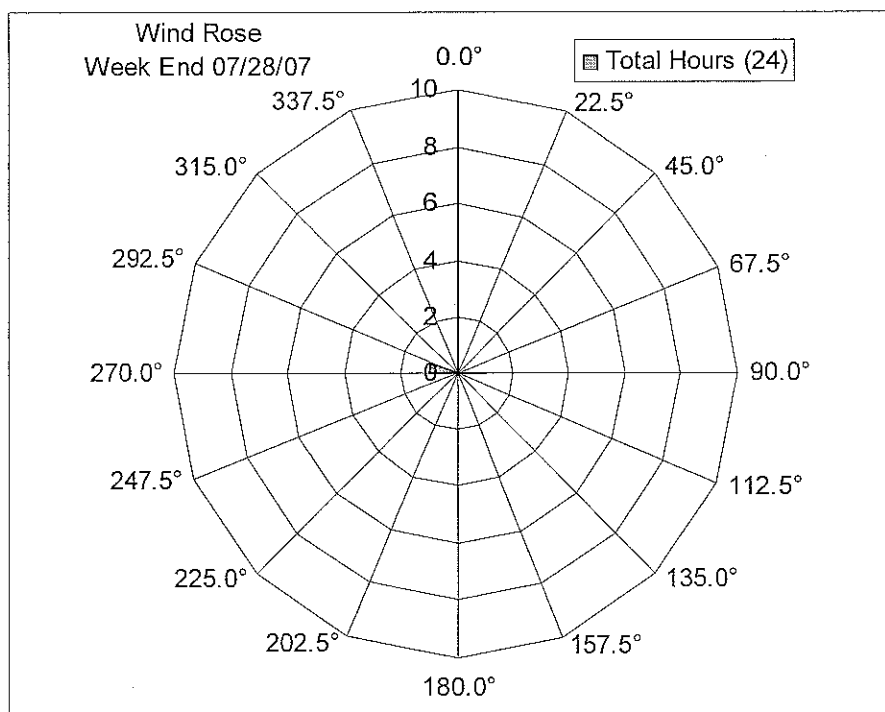
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/23/2007
Date of Discovery:	7/26/07 – 7/31/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

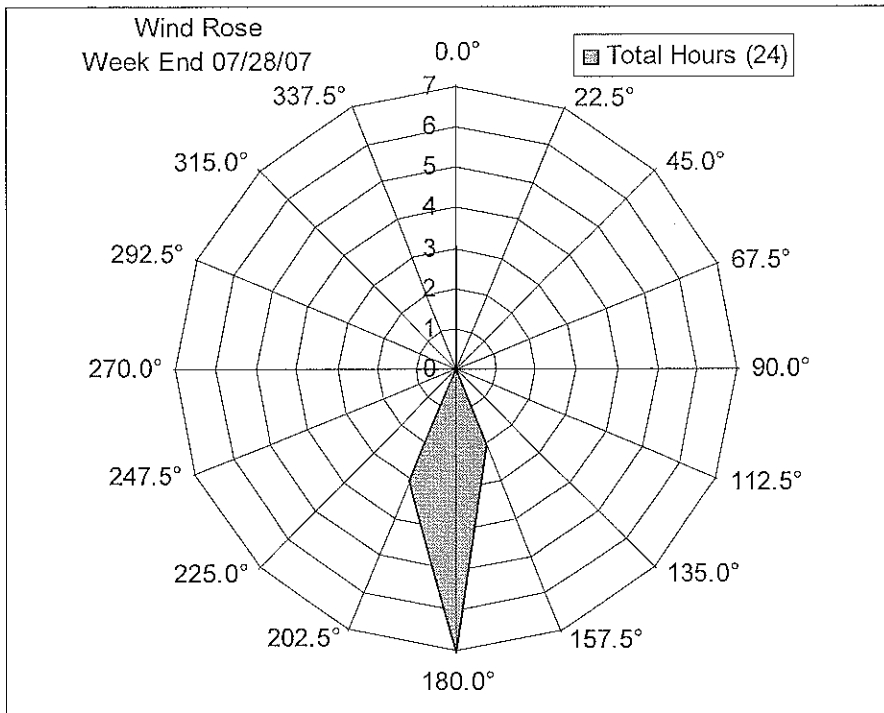
7/23/07 – 7/24/07



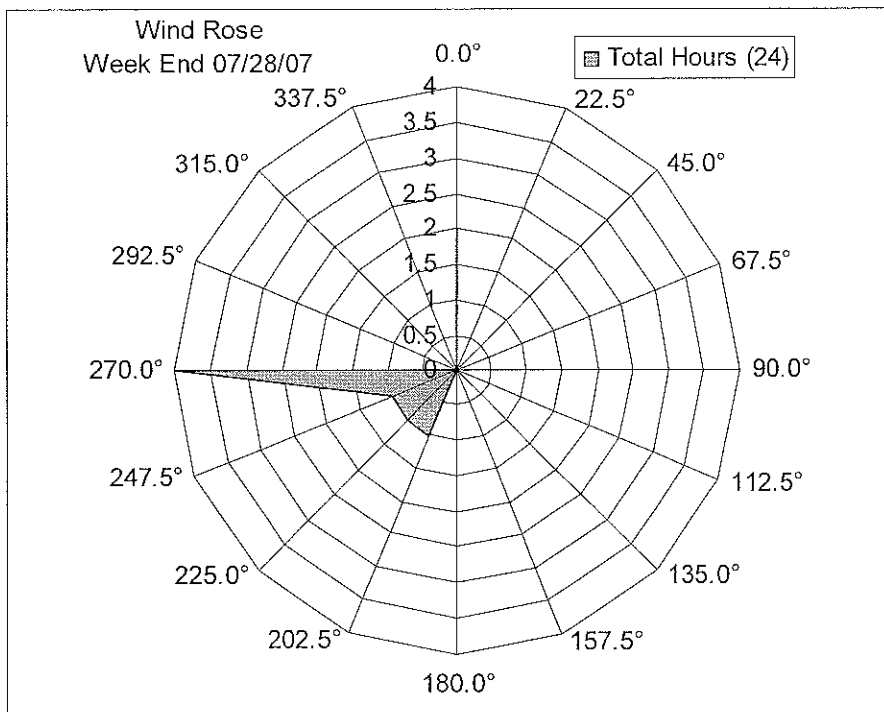
7/24/07 – 7/25/07



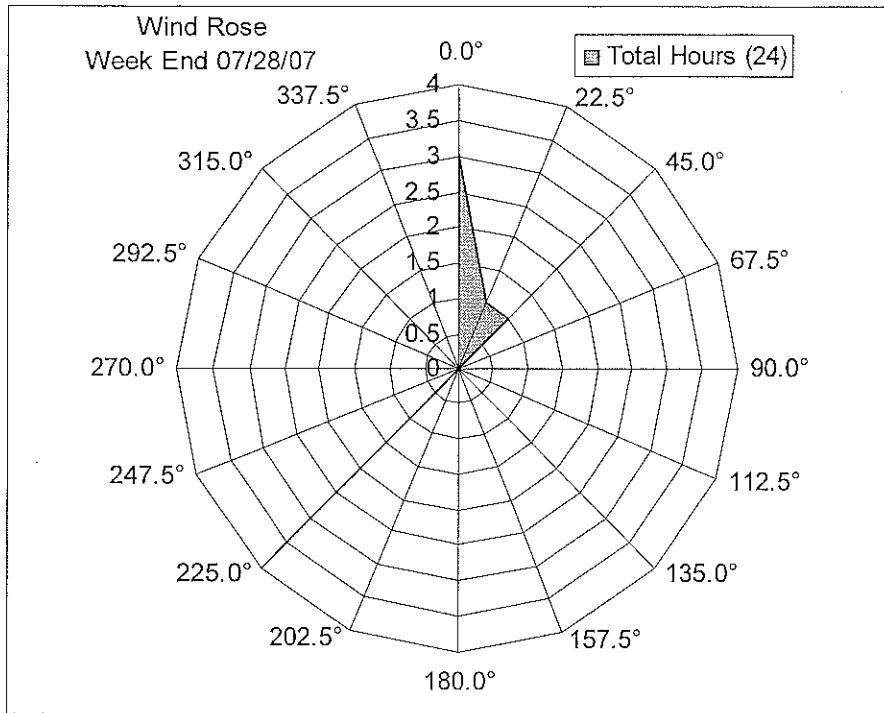
7/25/07 – 7/26/07



7/26/07 – 7/27/07



7/27/07 – 7/28/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/23/07	9:50	0	0	79.0
07/23/07	10:50	0	0	81.0
07/23/07	11:50	5	Var	81.0
07/23/07	12:50	5	Var	81.0
07/23/07	13:50	9	30	81.0
07/23/07	14:50	11	40	82.0
07/23/07	15:50	11	60	82.0
07/23/07	16:50	14	50	82.0
07/23/07	17:50	10	70	82.0
07/23/07	18:50	7	Var	81.0
07/23/07	19:50	5	Var	75.0
07/23/07	20:50	6	Var	70.0
07/23/07	21:50	6	Var	68.0
07/24/07	4:45	5	Var	61.0
07/24/07	5:50	0	0	68.0
07/24/07	7:50	0	0	73.0
07/24/07	8:50	0	0	75.0
07/24/07	9:50	0	0	77.0
07/24/07	10:50	3	280	79.0
07/24/07	11:50	3	300	79.0

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/24/07	12:50	6	Var	79.0
07/24/07	13:50	6	Var	79.0
07/24/07	14:50	5	Var	79.0
07/24/07	15:50	9	90	81.0
07/24/07	16:50	5	Var	81.0
07/24/07	17:50	5	Var	81.0
07/24/07	18:50	0	0	79.0
07/24/07	19:50	0	0	75.0
07/24/07	20:50	0	0	70.0
07/24/07	21:50	0	0	72.0
07/25/07	5:50	72	0	72.0
07/25/07	6:49	72	0	72.0
07/25/07	8:50	75	0	75.0
07/25/07	9:55	75	0	75.0
07/25/07	10:55	0	0	75.0
07/25/07	11:55	3	Var	77.0
07/25/07	12:55	5	Var	79.0
07/25/07	13:55	9	150	81.0
07/25/07	14:55	6	100	88.0
07/25/07	15:55	9	170	81.0
07/25/07	16:50	9	170	79.0
07/25/07	17:50	8	180	81.0
07/25/07	18:50	8	180	79.0
07/25/07	19:50	8	180	79.0
07/25/07	21:50	14	160	73.0
07/26/07	4:50	6	180	68.0
07/26/07	5:50	8	190	N/A
07/26/07	6:55	3	200	N/A
07/26/07	7:55	14	210	68.0
07/26/07	8:55	10	210	70.0
07/26/07	9:50	11	270	73.0
07/26/07	10:50	N/A	N/A	79.0
07/26/07	11:50	11	270	72.0
07/26/07	12:50	8	270	82.0
07/26/07	14:55	7	250	84.0
07/26/07	15:50	7	Var	82.0
07/26/07	16:50	7	Var	82.0
07/26/07	17:50	7	Var	71.0
07/26/07	19:55	7	Var	71.0

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/26/07	20:50	7	Var	79.0
07/26/07	21:48	N/A	N/A	79.0
07/27/07	4:50	8	260	75.0
07/27/07	6:50	0	0	75.0
07/27/07	7:50	0	0	75.0
07/27/07	8:50	7	220	75.0
07/27/07	9:50	5	Var	75.0
07/27/07	10:50	7	220	75.0
07/27/07	12:50	11	220	81.0
07/27/07	13:50	8	230	77.0
07/27/07	15:50	5	Var	79.0
07/27/07	16:45	5	Var	81.0
07/27/07	17:50	5	Var	82.0
07/27/07	18:50	5	Var	81.0
07/27/07	19:50	5	Var	77.0
07/27/07	20:50	7	Var	75.0
07/27/07	21:45	7	Var	75.0
07/28/07	4:50	8	360	73.0
07/28/07	5:50	9	350	73.0
07/28/07	6:50	9	40	73.0
07/28/07	8:50	8	10	73.0
07/28/07	9:50	8	20	75.0

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



United States Steel Corporation
Gary Works
One North Broadway
Gary, IN 46402-3199

Via Email and Regular Mail

August 6, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
7/21/07	5	5	4

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in cursive script that reads "Richard Menozzi".

Richard L. Menozzi

August 6, 2007
Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 7/21/07

SAMPLES COLLECTED DURING W/E 7/21/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	5
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	3
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	1
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/16/2007
Date of Discovery:	7/19/07 – 7/25/07
Exceedance Type	Notification & Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (7/17/07)	90.629	6	30
Naphthalene (7/18/07)	154.602	6	30
Naphthalene (7/19/07)	6.397	6	30
Naphthalene (7/20/07)	133.278 (J)	6	30
Naphthalene (7/21/07)	27.189 (J)	6	30

J = Estimated Value

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/16/2007
Date of Discovery:	7/19/07 – 7/25/07
Exceedance Type	Notification & Action

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (7/18/07)	6.664	6	30
Naphthalene (7/19/07)	8.876 (J)	6	30
Naphthalene (7/20/07)	33.053 (JJ)	6	30

J = Estimated Value

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/16/2007
Date of Discovery:	7/19/07 – 7/25/07
Exceedance Type	Notification

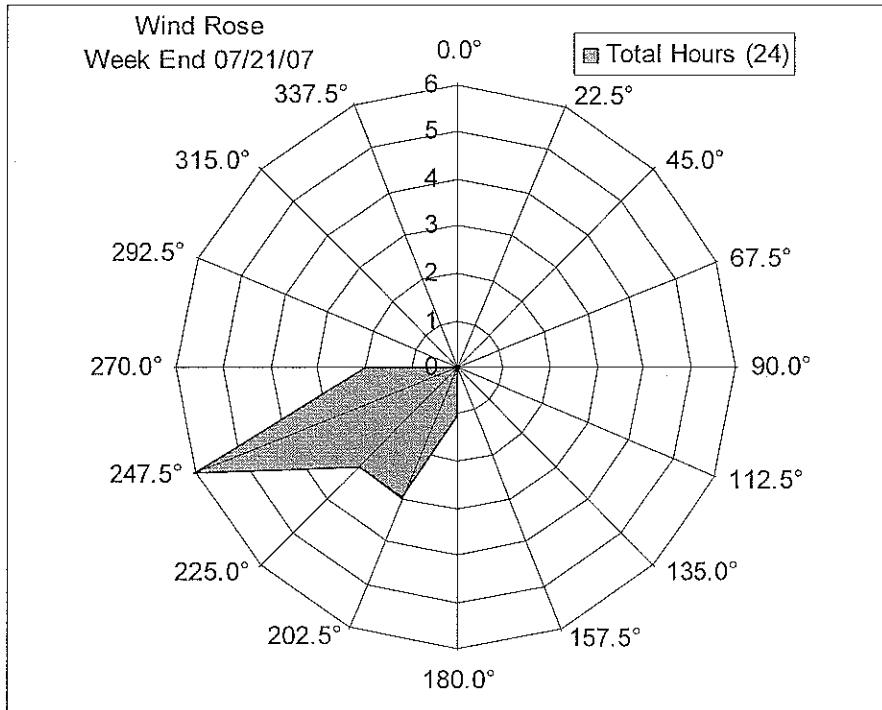
Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (7/20/07)	8.530 (J)	6	30

J = Estimated Value

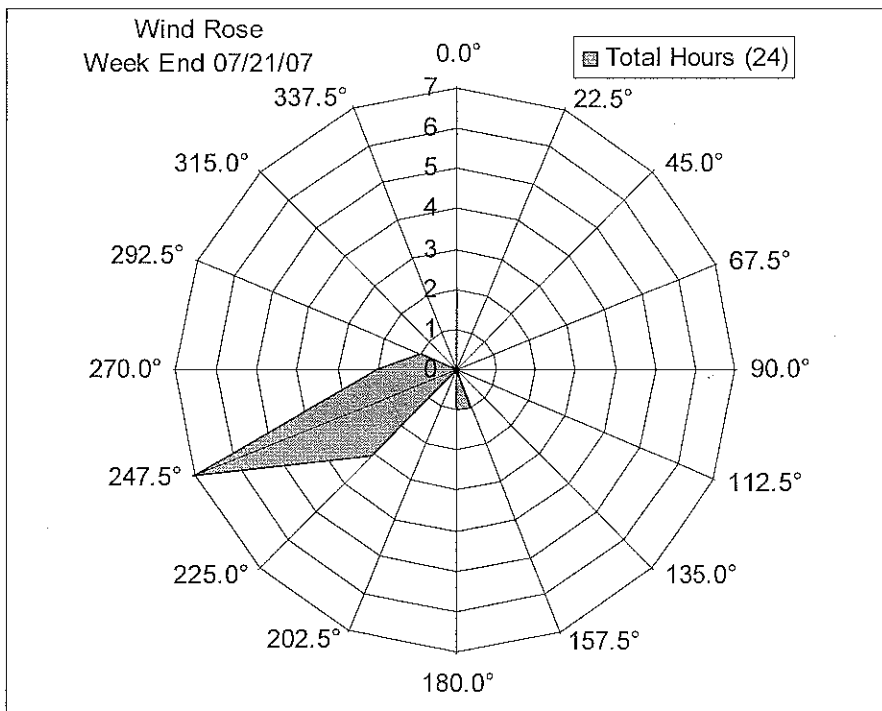
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/16/2007
Date of Discovery:	7/19/07 – 7/25/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

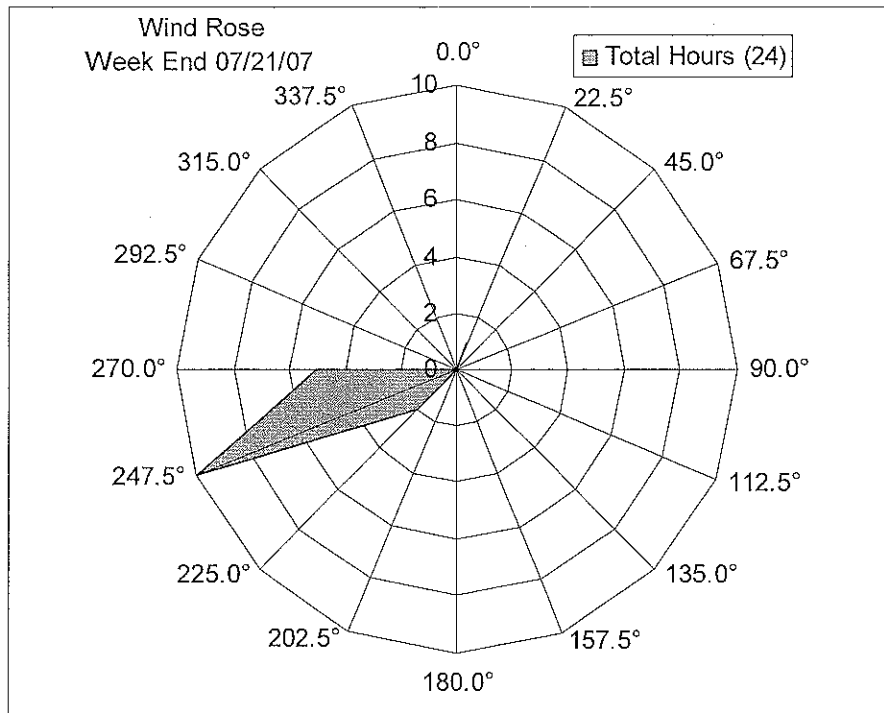
7/16/07 – 7/17/07



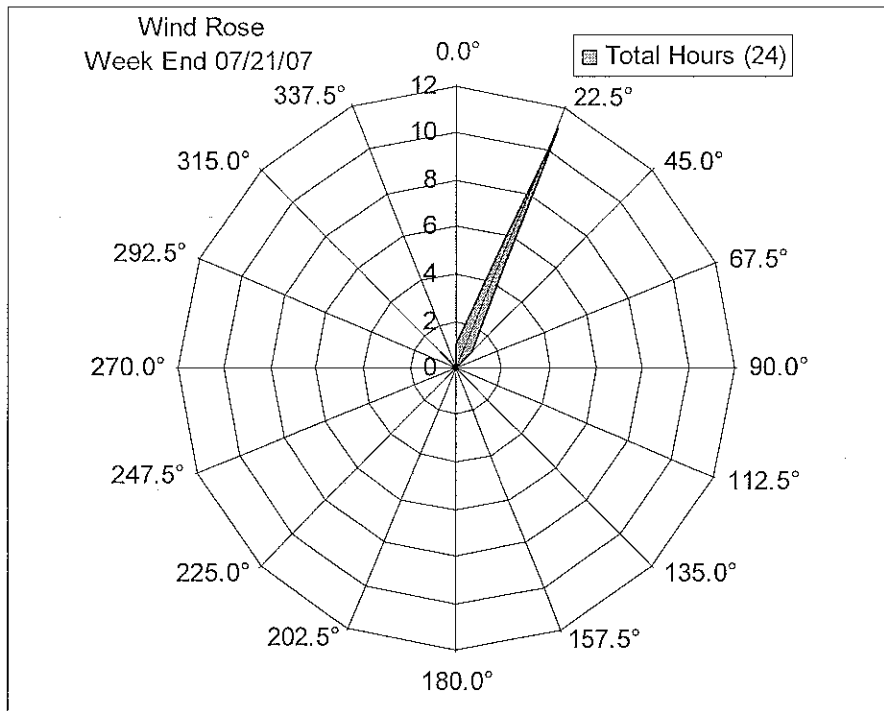
7/17/07 – 7/18/07



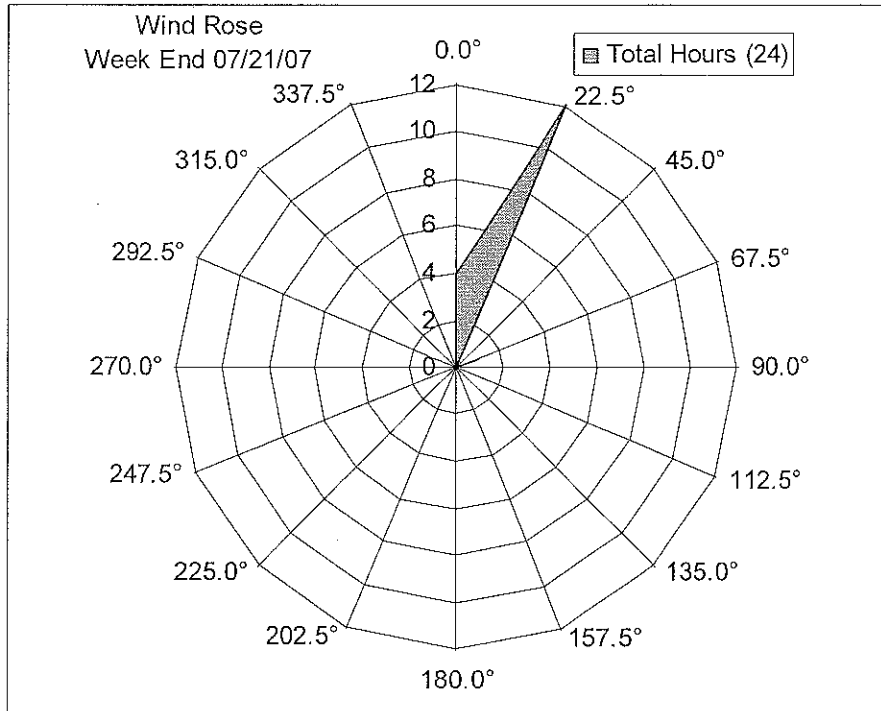
7/18/07 – 7/19/07



7/19/07 – 7/20/07



7/20/07 – 7/21/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/16/07	8:50	7	Var	73.0
07/16/07	10:55	11	220	81.0
07/16/07	11:50	11	220	82.0
07/16/07	12:50	9	250	82.0
07/16/07	13:55	9	260	82.0
07/16/07	14:50	9	240	82.0
07/16/07	15:50	7	210	81.0
07/16/07	16:50	7	240	81.0
07/16/07	17:50	7	250	81.0
07/16/07	18:50	6	250	81.0
07/16/07	19:50	5	240	81.0
07/16/07	20:50	3	Var	75.0
07/16/07	21:50	3	Var	73.0
07/17/07	4:50	9	200	73.0
07/17/07	6:48	9	210	72.0
07/17/07	7:50	11	180	73.0
07/17/07	8:55	11	230	75.0
07/17/07	9:45	11	260	72.0
07/17/07	10:50	6	Var	72.0
07/17/07	11:50	6	300	72.0

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/17/07	12:50	6	270	77.0
07/17/07	13:55	6	Var	79.0
07/17/07	14:50	9	160	81.0
07/17/07	15:50	11	220	81.0
07/17/07	16:50	9	240	82.0
07/17/07	17:50	9	240	82.0
07/17/07	18:50	9	240	81.0
07/17/07	19:50	8	240	81.0
07/17/07	20:50	0	0	79.0
07/17/07	21:50	0	0	75.0
07/18/07	4:50	7	240	73.0
07/18/07	6:50	9	180	72.0
07/18/07	7:50	7	240	73.0
07/18/07	8:50	11	250	75.0
07/18/07	9:55	7	230	79.0
07/18/07	10:55	9	240	81.0
07/18/07	11:55	11	250	84.0
07/18/07	12:55	14	260	82.0
07/18/07	13:50	9	250	84.0
07/18/07	14:50	9	250	82.0
07/18/07	15:50	5	Var	81.0
07/18/07	16:50	11	250	84.0
07/18/07	17:50	11	250	86.0
07/18/07	18:50	11	250	84.0
07/18/07	19:50	11	230	84.0
07/18/07	21:50	6	20	75.0
07/19/07	4:50	6	240	73.0
07/19/07	5:50	10	260	73.0
07/19/07	6:55	9	260	75.0
07/19/07	8:50	11	260	75.0
07/19/07	9:50	11	260	75.0
07/19/07	11:50	14	280	79.0
07/19/07	12:50	11	320	82.0
07/19/07	13:50	11	20	75.0
07/19/07	14:46	11	20	73.0
07/19/07	15:45	14	20	73.0
07/19/07	16:50	14	20	73.0
07/19/07	17:50	N/A	N/A	72.0
07/19/07	18:46	14	10	72.0

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/19/07	19:50	14	20	70.0
07/19/07	20:50	14	20	70.0
07/20/07	4:50	9	50	66.0
07/20/07	5:50	9	30	66.0
07/20/07	6:50	9	30	68.0
07/20/07	7:50	11	30	70.0
07/20/07	8:52	11	30	70.0
07/20/07	10:50	11	30	72.0
07/20/07	11:50	9	30	N/A
07/20/07	12:50	9	70	72.0
07/20/07	13:50	9	20	73.0
07/20/07	14:50	9	20	73.0
07/20/07	15:50	11	20	73.0
07/20/07	16:50	14	10	73.0
07/20/07	17:50	14	20	70.0
07/20/07	18:50	14	20	70.0
07/20/07	20:47	14	360	70.0
07/20/07	21:50	11	360	70.0
07/21/07	4:50	9	30	66.0
07/21/07	5:50	9	30	66.0
07/21/07	7:50	9	30	N/A
07/21/07	8:50	9	30	70.0
07/21/07	9:50	11	10	72.0

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



Via Email and Regular Mail

July 27, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
7/14/07	5	3	2

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in black ink, which appears to read "Richard Menozzi". The signature is written in a cursive, flowing style.

Richard L. Menozzi

July 27, 2007
Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 7/14/07

SAMPLES COLLECTED DURING W/E 7/14/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	3
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	2
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/9/2007
Date of Discovery:	7/12/07 – 7/17/07
Exceedance Type	Notification & Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (7/11/07)	7.997	6	30
Naphthalene (7/13/07)	11.728	6	30
Naphthalene (7/14/07)	117.285	6	30

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/9/2007
Date of Discovery:	7/12/07 – 7/17/07
Exceedance Type	Notification & Action

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (7/12/07)	19.912 (J)	6	30
Naphthalene (6/23/07)	48.886 (U)	6	30

U = Not Detected

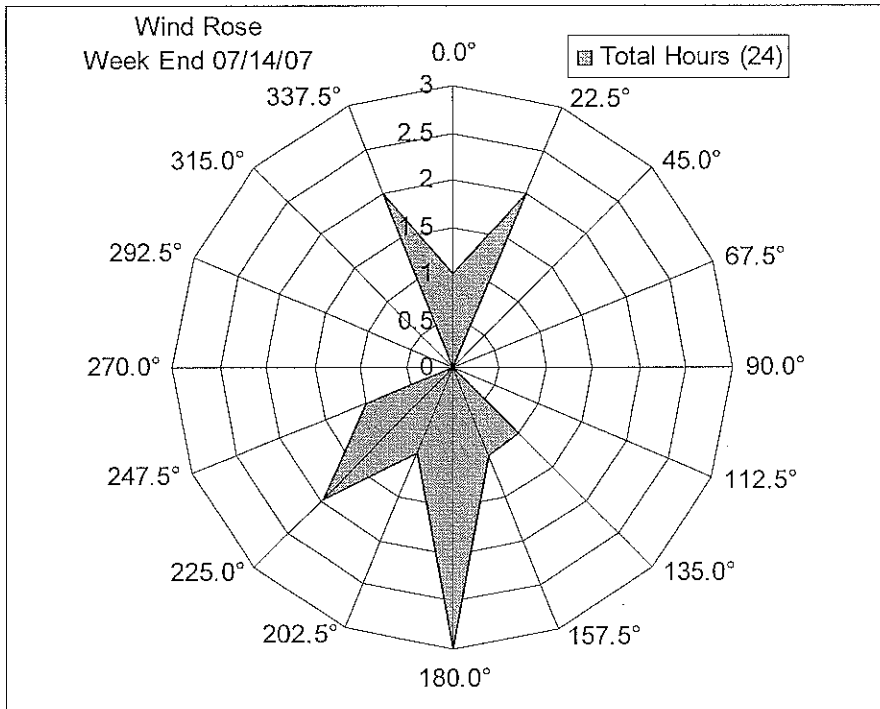
J = Estimated Value

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/9/2007
Date of Discovery:	7/12/07 – 7/17/07
Exceedance Type	No Exceedances to Report

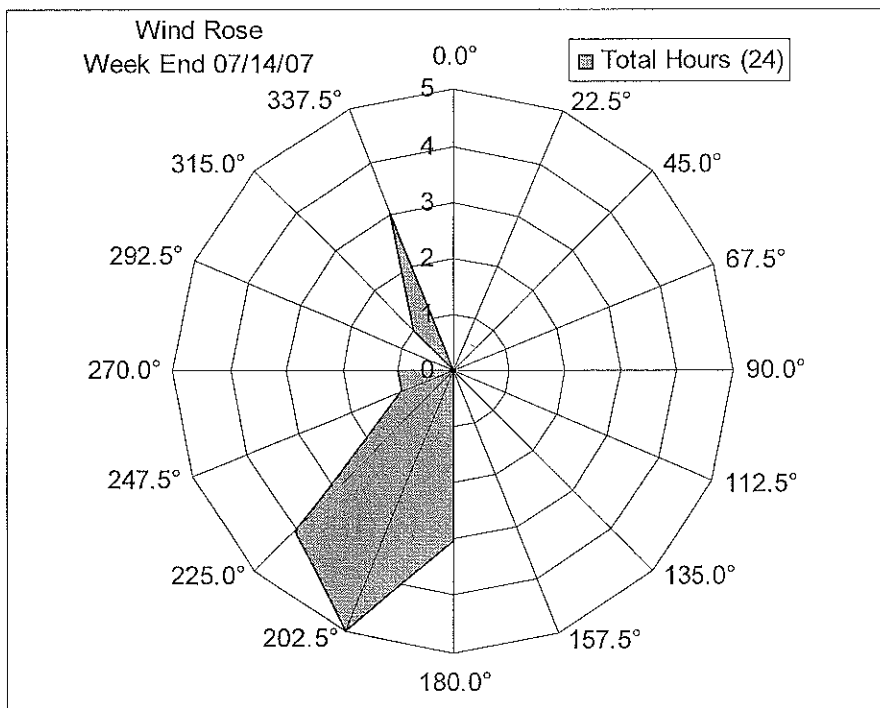
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 7/9/2007
Date of Discovery:	7/12/07 – 7/17/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

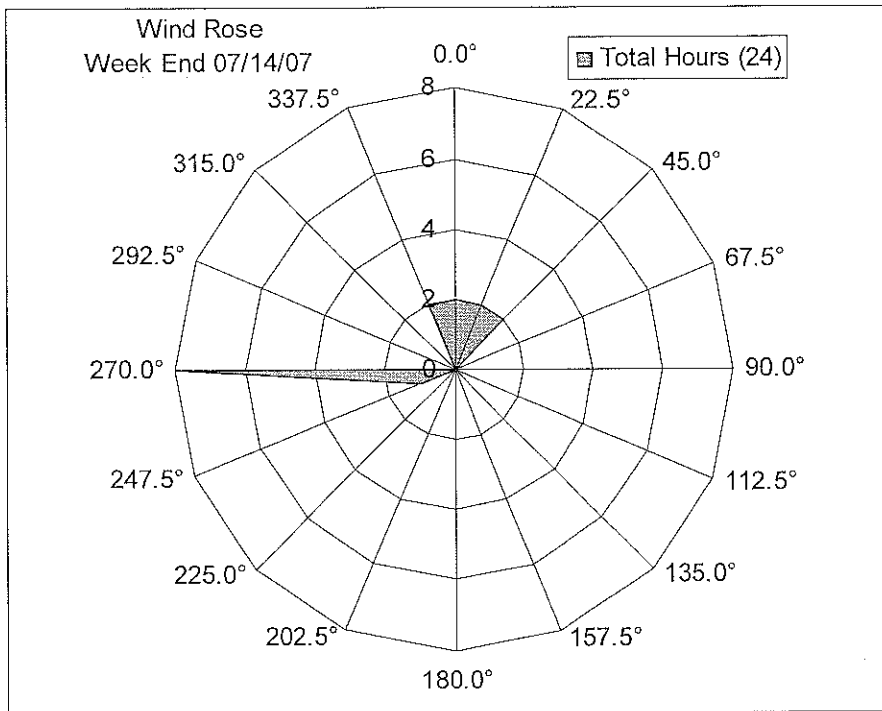
7/9/07 – 7/10/07



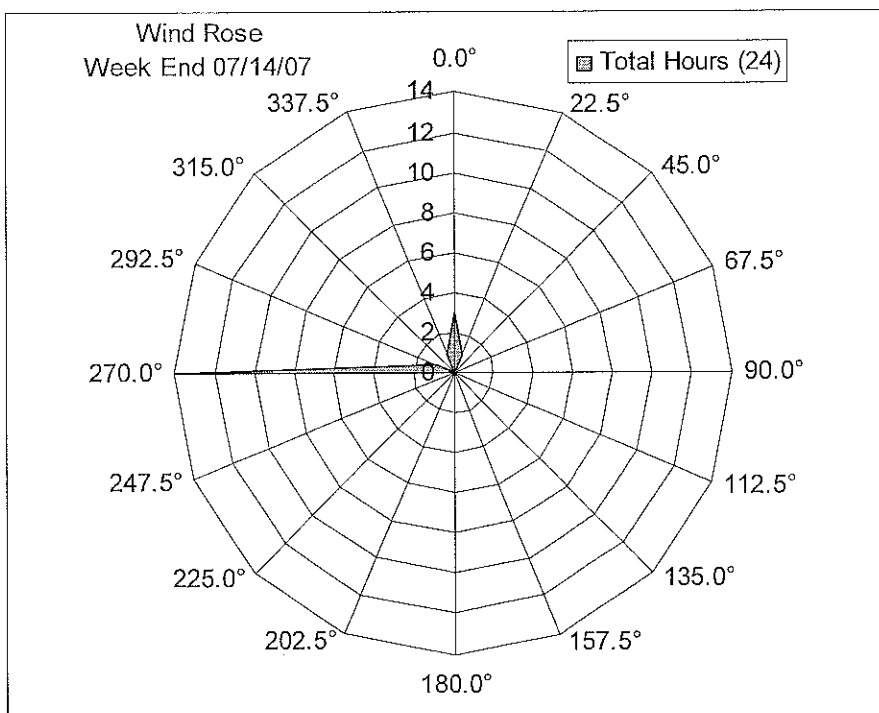
7/10/07 – 7/11/07



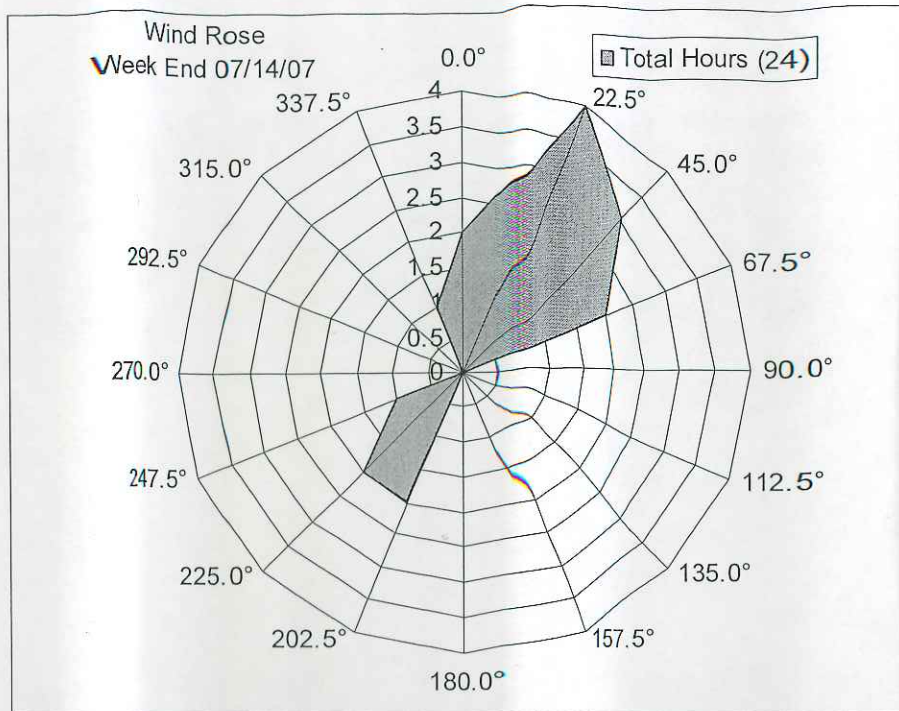
7/11/07 – 7/12/07



7/12/07 – 7/13/07

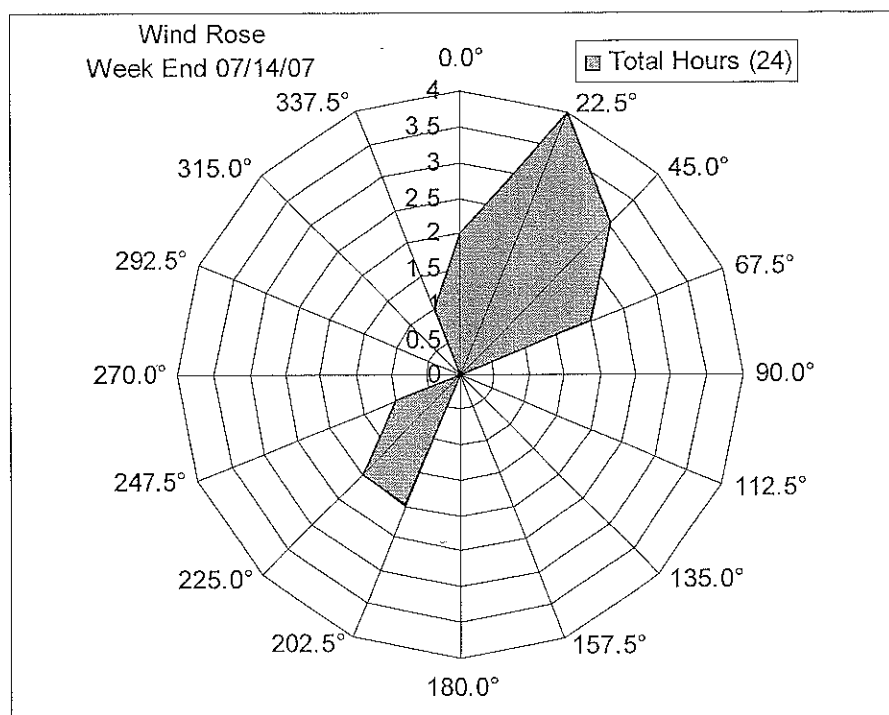


7/13/07 - 7/14/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/09/07	8:50	9	230	82.0
07/09/07	9:50	9	230	86.0
07/09/07	10:50	9	23	88.0
07/09/07	11:50	9	23	91.0
07/09/07	13:50	9	240	93.0
07/09/07	16:50	23	340	81.0
07/09/07	17:50	14	330	79.0
07/09/07	18:50	7	350	77.0
07/09/07	19:55	3	Var	77.0
07/09/07	20:50	6	Var	79.0
07/09/07	21:45	3	Var	79.0
07/10/07	4:46	9	140	75.0
07/10/07	5:46	9	150	73.0
07/10/07	6:45	9	170	75.0
07/10/07	7:45	11	180	75.0
07/10/07	8:55	11	210	81.0
07/10/07	9:47	11	170	82.0
Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/10/07	10:50	14	180	84.0

7/13/07 – 7/14/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/09/07	8:50	9	230	82.0
07/09/07	9:50	9	230	86.0
07/09/07	10:50	9	23	88.0
07/09/07	11:50	9	23	91.0
07/09/07	13:50	9	240	93.0
07/09/07	16:50	23	340	81.0
07/09/07	17:50	14	330	79.0
07/09/07	18:50	7	350	77.0
07/09/07	19:55	3	Var	77.0
07/09/07	20:50	6	Var	79.0
07/09/07	21:45	3	Var	79.0
07/10/07	4:46	9	140	75.0
07/10/07	5:46	9	150	73.0
07/10/07	6:45	9	170	75.0
07/10/07	7:45	11	180	75.0
07/10/07	8:55	11	210	81.0
07/10/07	9:47	11	170	82.0
Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/10/07	10:50	14	180	84.0

07/10/07	12:55	13	220	91.0
07/10/07	13:50	10	210	90.0
07/10/07	14:50	11	210	88.0
07/10/07	15:50	11	210	91.0
07/10/07	16:50	11	210	88.0
07/10/07	18:50	11	220	N/A
07/10/07	19:50	9	220	75.0
07/10/07	20:45	8	220	75.0
07/10/07	21:50	11	250	75.0
07/11/07	4:50	7	280	66.0
07/11/07	5:50	14	320	68.0
07/11/07	7:50	14	340	68.0
07/11/07	8:50	11	340	68.0
07/11/07	9:50	11	340	70.0
07/11/07	10:55	11	10	70.0
07/11/07	11:50	11	20	73.0
07/11/07	13:52	9	20	73.0
07/11/07	14:50	9	40	75.0
07/11/07	15:50	9	40	75.0
07/11/07	16:50	5	VAR	77.0
07/11/07	17:50	14	280	79.0
07/11/07	18:50	9	260	77.0
07/11/07	19:50	9	260	75.0
07/11/07	20:50	9	240	73.0
07/11/07	21:50	0	0	70.0
07/12/07	4:50	7	260	63.0
07/12/07	5:50	7	270	N/A
07/12/07	6:50	8	260	66.0
07/12/07	7:50	8	260	70.0
07/12/07	8:50	13	270	73.0
07/12/07	9:50	13	280	75.0
07/12/07	10:50	11	280	79.0
07/12/07	11:50	11	270	81.0
07/12/07	12:50	14	270	79.0
07/12/07	14:50	14	270	81.0
Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/12/07	15:50	11	270	81.0
07/12/07	16:50	11	280	82.0
07/12/07	17:50	14	280	81.0
07/12/07	18:50	14	270	79.0
07/12/07	19:50	9	270	75.0
07/12/07	20:55	9	270	75.0

07/12/07	21:50	7	270	70.0
07/13/07	4:50	0	0	57.0
07/13/07	5:50	0	0	57.0
07/13/07	6:50	0	0	63.0
07/13/07	7:50	11	290	70.0
07/13/07	8:50	8	340	72.0
07/13/07	9:50	9	20	72.0
07/13/07	11:50	9	30	75.0
07/13/07	12:50	9	20	73.0
07/13/07	13:50	9	30	73.0
07/13/07	15:45	9	60	75.0
07/13/07	16:45	9	40	75.0
07/13/07	17:50	9	70	75.0
07/13/07	18:50	9	40	73.0
07/13/07	19:49	9	50	70.0
07/13/07	20:47	0	0	66.0
07/13/07	21:47	0	0	61.0
07/14/07	4:50	8	210	63.0
07/14/07	5:50	11	210	64.0
07/14/07	6:55	14	230	68.0
07/14/07	7:50	11	230	70.0
07/14/07	8:50	17	240	75.0
07/14/07	9:50	N/A	N/A	75.0

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



Via Email and Regular Mail

July 23, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
7/7/07	2	1	1

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in black ink that reads "Richard Menozzi". The signature is written in a cursive, flowing style.

Richard L. Menozzi

July 23, 2007
Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 7/7/07

SAMPLES COLLECTED DURING W/E 7/7/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	2	24 hour	2
Resumed Dredging	CAMU Southern Berm ¹	2	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	2	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	2	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	2
Sampling Date(s):	7/2/07 – 7/3/07 & 7/5/7 – 7/6/07
Date of Discovery:	7/8/07 & 7/11/07
Exceedance Type	Notification & Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (7/3/07)	35.718	6	30
Naphthalene (7/6/07)	9.596	6	30

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	2
Sampling Date(s):	7/2/07 – 7/3/07 & 7/5/7 – 7/6/07
Date of Discovery:	7/8/07 & 7/11/07
Exceedance Type	No Exceedances to Report

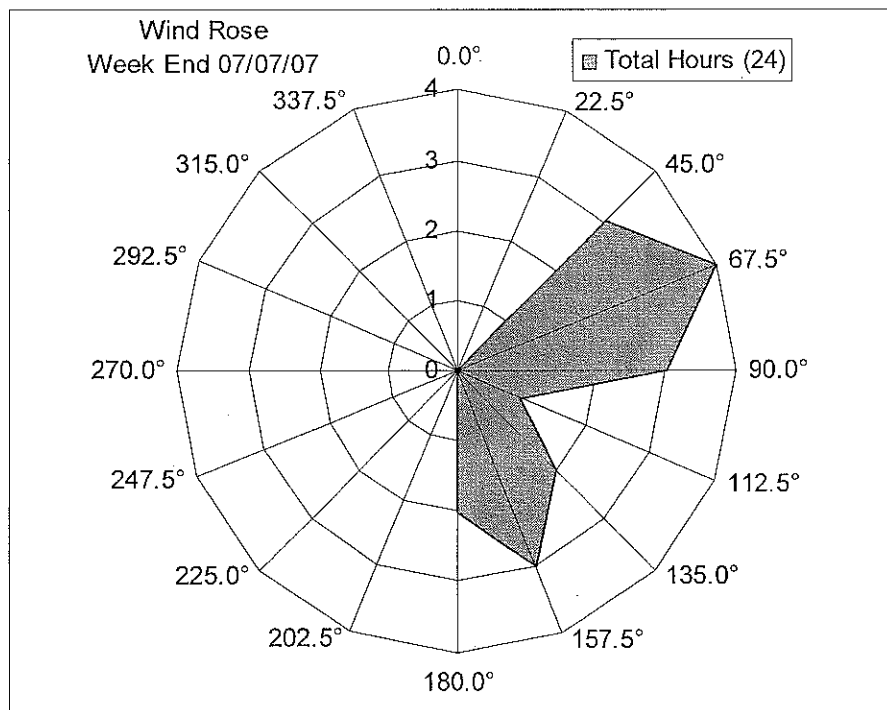
¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	2
Sampling Date(s):	7/2/07 – 7/3/07 & 7/5/7 – 7/6/07
Date of Discovery:	7/8/07 & 7/11/07
Exceedance Type	No Exceedances to Report

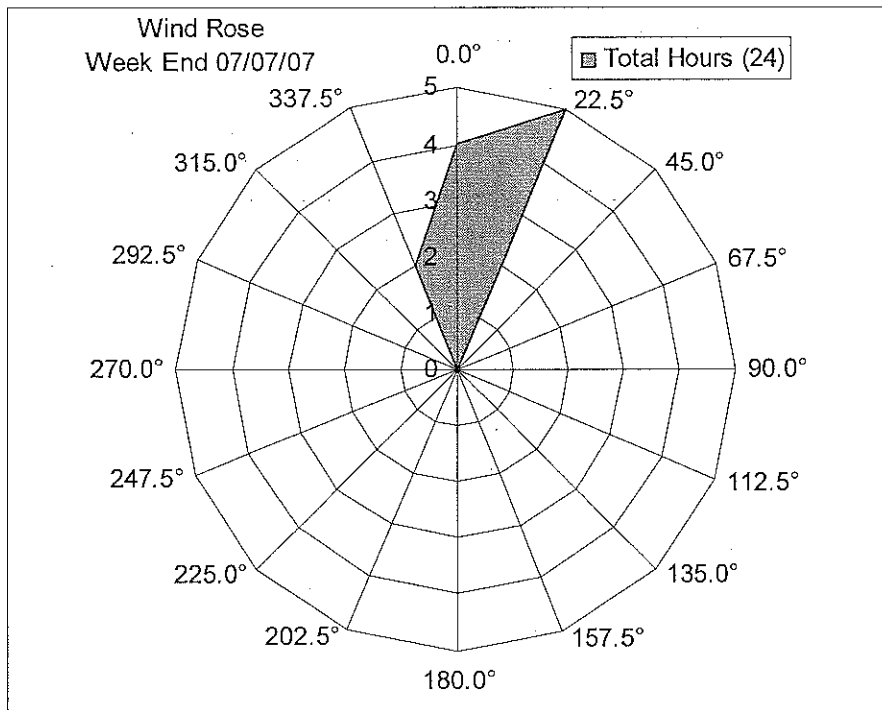
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	2
Sampling Date(s):	7/2/07 – 7/3/07 & 7/5/7 – 7/6/07
Date of Discovery:	7/8/07 & 7/11/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

7/2/07 – 7/3/07



7/5/07 – 7/6/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
7/2/2007	7:50	11	150	64.0
7/2/2007	8:49	11	150	68.0
7/2/2007	9:50	14	130	70.0
7/2/2007	10:50	10	120	73.0
7/2/2007	11:50	8	90	75.0
7/2/2007	12:50	8	50	77.0
7/2/2007	13:50	11	40	75.0
7/2/2007	14:50	N/A	N/A	75.0
7/2/2007	15:50	14	40	7.0
7/2/2007	16:50	14	60	75.0
7/2/2007	18:45	14	70	75.0
7/2/2007	19:50	14	60	70.0
7/2/2007	20:50	14	60	N/A
7/2/2007	21:50	9	80	70.0
7/3/2007	4:50	9	90	57.0
7/3/2007	5:50	6	140	61.0
7/3/2007	7:55	5	160	68.0
7/3/2007	9:50	8	190	75.0
7/3/2007	10:50	8	170	79.0
07/05/07	7:50	6	340	77.0

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
07/05/07	8:50	11	340	N/A
07/05/07	9:50	9	30	79.0
07/05/07	11:50	8	Var	82.0
07/05/07	12:50	7	0	88.0
07/05/07	13:55	7	Var	86.0
07/05/07	15:49	7	Var	82.0
07/05/07	16:50	7	Var	82.0
07/05/07	17:50	7	Var	82.0
07/05/07	19:50	0	0	79.0
07/05/07	20:46	0	0	75.0
07/06/07	4:55	0	0	63.0
07/06/07	5:55	8	30	68.0
07/06/07	6:55	3	Var	70.0
07/06/07	7:50	9	20	NA
07/06/07	8:50	8	30	75.0
07/06/07	9:50	8	30	77.0

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



United States Steel Corporation
Gary Works
One North Broadway
Gary, IN 46402-3199

Via Email and Regular Mail

July 19, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
6/30/07	5	7	9

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

July 19, 2007

Page 2

CC with attachments:

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T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 6/30/07

SAMPLES COLLECTED DURING W/E 6/30/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	7
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	6
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	3
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 6/25/2007
Date of Discovery:	6/28/07 – 7/3/07
Exceedance Type	Notification & Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (6/26/07)	10.722	8	40
Naphthalene (6/26/07)	234.569	6	30
Naphthalene (6/27/07)	175.927	6	30
Naphthalene (6/28/07)	42.116	6	30
Naphthalene (6/29/07)	138.609	6	30
Benzene (6/30/07)	9.098	8	40
Naphthalene (6/30/07)	6.899	6	30

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 6/25/2007
Date of Discovery:	6/28/07 – 7/3/07
Exceedance Type	Notification & Action

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (6/26/07)	35.559 (J)	6	30
Naphthalene (6/27/07)	9.090 (J)	6	30
Benzene (6/29/07)	15.840 (J)	8	40
Naphthalene (6/29/07)	270.554	6	30
Benzene (6/30/07)	11.486 (J)	8	40
Naphthalene (6/30/07)	243.685 (J)	6	30

J = Estimated Value

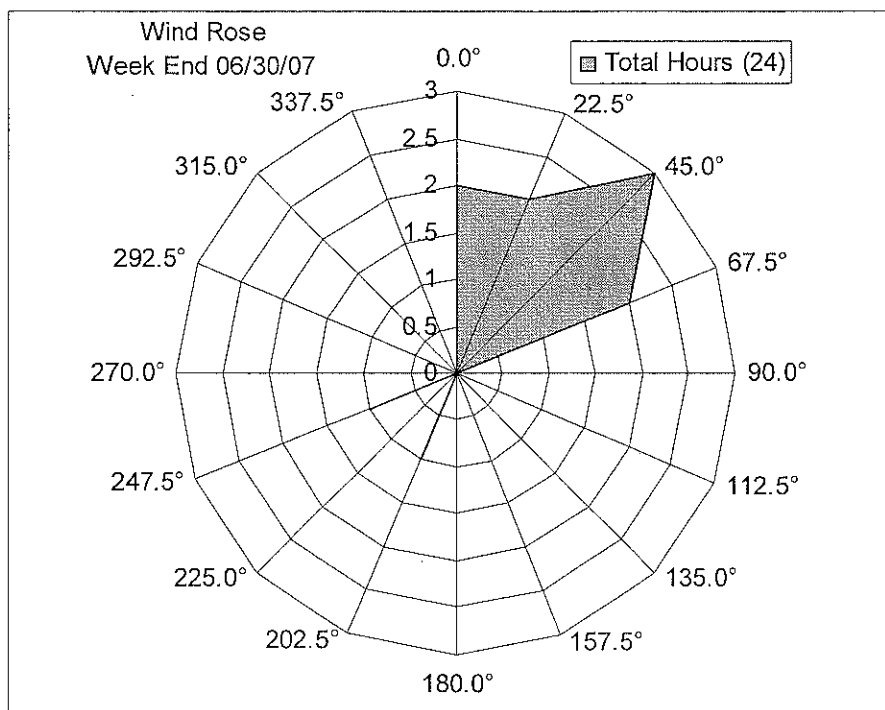
Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 6/25/2007
Date of Discovery:	6/28/07 – 7/3/07
Exceedance Type	Notification & Action

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (6/28/07)	34.652	6	30
Naphthalene (6/29/07)	9.596	6	30
Naphthalene (6/30/07)	10.662	6	30

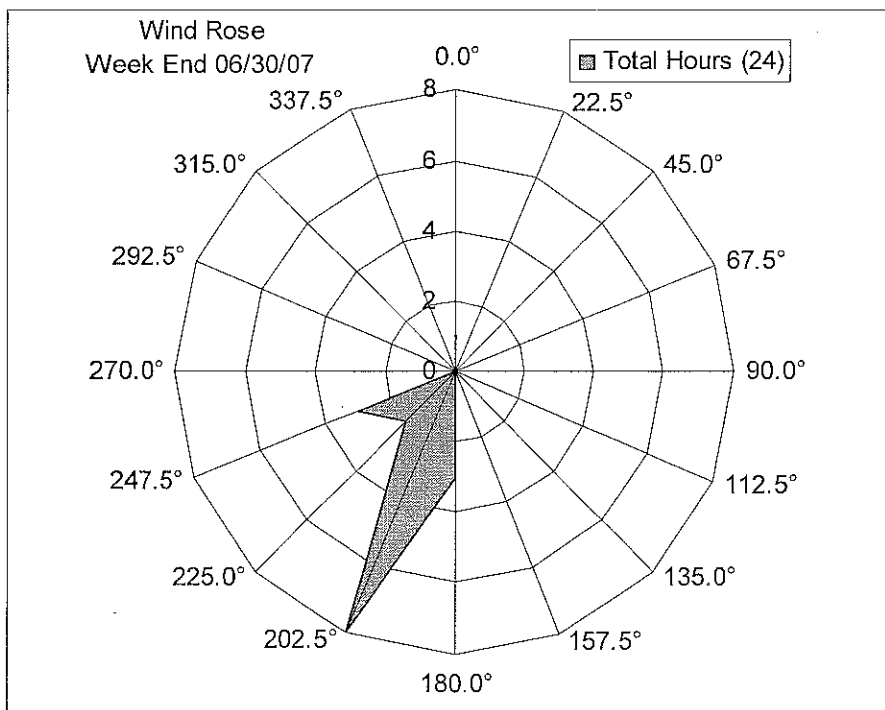
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 6/25/2007
Date of Discovery:	6/28/07 – 7/3/07
Exceedance Type	No Exceedances to report

Meteorological Conditions during Event(s):

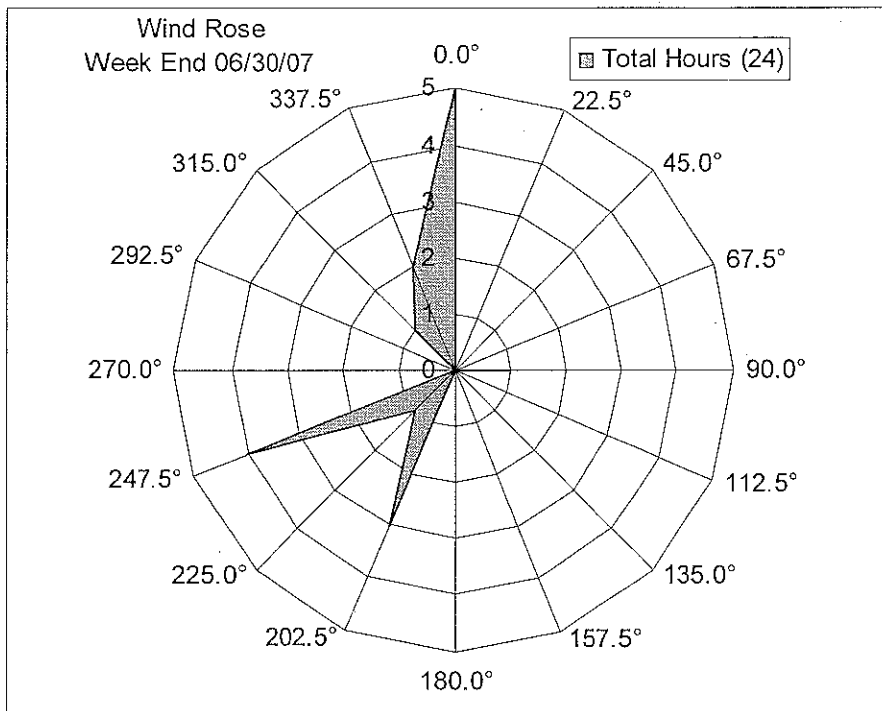
6/25/07 – 6/26/07



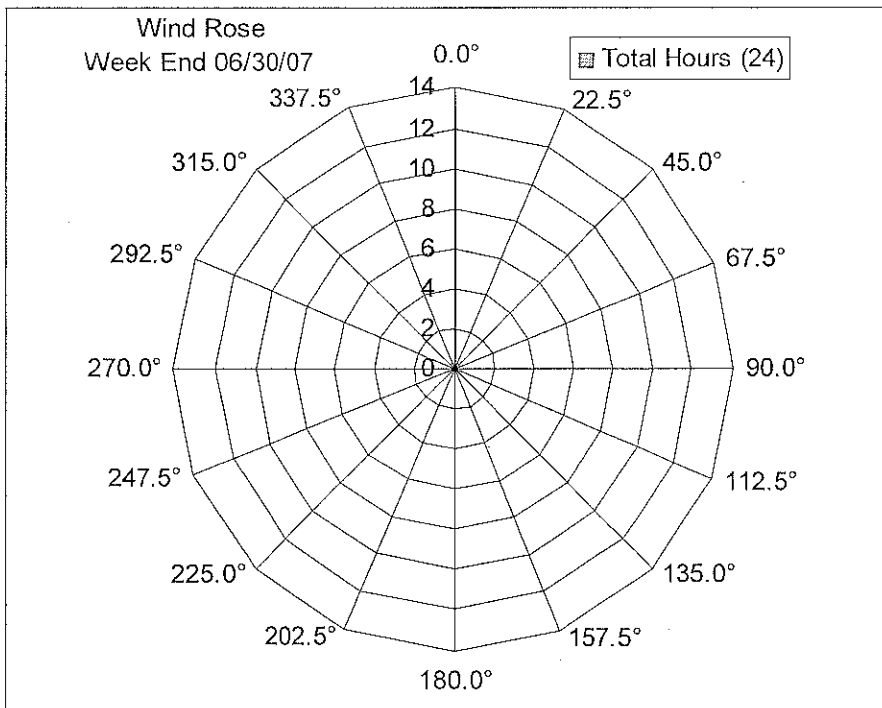
6/26/07 – 6/27/07



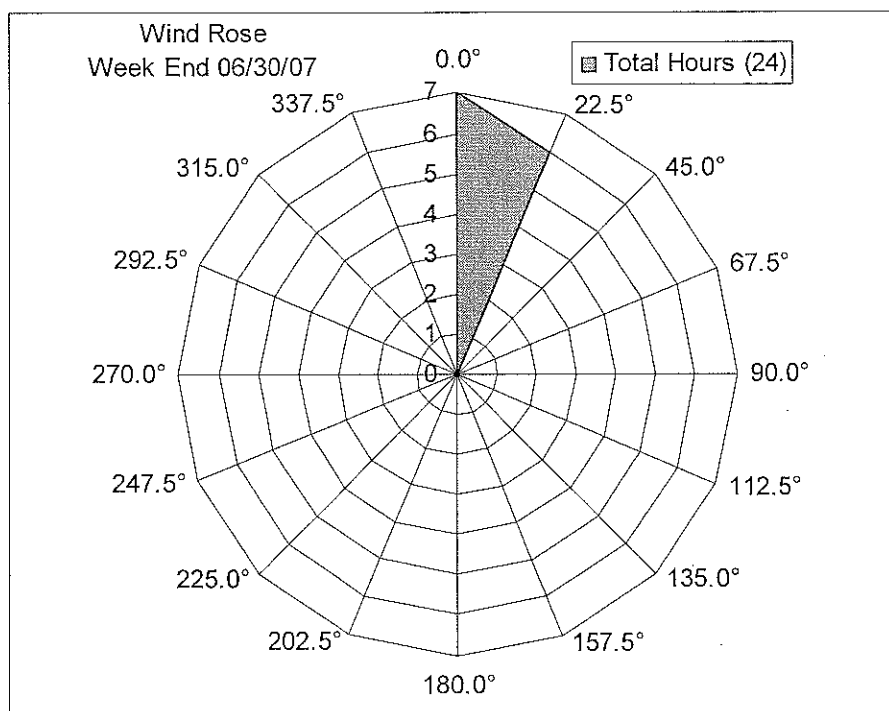
6/27/07 – 6/28/07



6/28/07 – 6/29/07



6/29/07 – 6/30/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/25/2007	9:45	5	Var	79
6/25/2007	11:50	9	30	82
6/25/2007	12:50	9	50	81
6/25/2007	13:50	9	70	84
6/25/2007	14:50	9	20	84
6/25/2007	15:50	9	50	82
6/25/2007	16:50	9	60	82
6/25/2007	17:50	8	50	82
6/25/2007	18:50	5	Var	81
6/25/2007	19:50	0	0	81
6/25/2007	20:50	0	0	75
6/25/2007	21:50	0	0	73
6/26/2007	4:50	5	Var	73
6/26/2007	5:50	5	Var	73
6/26/2007	6:55	5	Var	75
6/26/2007	7:50	9	240	79
6/26/2007	9:55	9	210	82
6/26/2007	10:50	9	200	84
6/26/2007	11:50	9	190	86
6/26/2007	12:50	14	210	90
6/26/2007	13:50	11	210	NA
6/26/2007	14:50	11	200	79
6/26/2007	15:50	7	20	79
6/26/2007	16:50	7	Var	81

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/26/2007	18:45	6	Var	82
6/26/2007	19:45	9	180	81
6/26/2007	20:50	7	180	81
6/26/2007	21:45	0	0	79
6/27/2007	4:50	9	200	75
6/27/2007	5:50	9	210	75
6/27/2007	6:55	9	220	75
6/27/2007	7:55	9	220	77
6/27/2007	8:55	9	250	79
6/27/2007	9:50	14	250	81
6/27/2007	10:50	11	250	81
6/27/2007	11:50	14	200	82
6/27/2007	12:50	11	200	84
6/27/2007	13:50	9	210	86
6/27/2007	15:50	14	230	91
6/27/2007	16:45	9	250	91
6/27/2007	17:50	9	80	77
6/27/2007	18:50	0	0	77
6/27/2007	19:45	0	0	75
6/27/2007	20:45	0	0	73
6/27/2007	21:45	0	0	73
6/28/2007	4:50	9	320	70
6/28/2007	5:50	9	330	70
6/28/2007	6:50	8	330	70
6/28/2007	7:50	11	350	72
6/28/2007	8:50		N/A	70
6/28/2007	9:50	11	360	70
6/28/2007	11:50	14	360	70
6/28/2007	12:50	17	360	70
6/28/2007	14:50	14	350	70
6/28/2007	15:50	9	350	68
6/28/2007	16:55	9	350	68
6/28/2007	17:50	9	350	68
6/28/2007	18:50	9	350	66
6/28/2007	19:50	9	10	66
6/28/2007	20:50	9	360	66
6/28/2007	21:45	11	360	66
6/29/2007	4:50	11	350	64
6/29/2007	5:50	9	350	66
6/29/2007	7:50	7	Var	68
6/29/2007	8:47	7	Var	70
6/29/2007	9:45	7	Var	70
6/29/2007	10:45	7	Var	70
6/29/2007	12:50	11	10	70
6/29/2007	13:50	11	10	70
6/29/2007	14:48	11	30	73
6/29/2007	15:48	14	20	70
6/29/2007	16:46	11	20	70

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/29/2007	17:50	11	20	70
6/29/2007	18:45	11	20	70
6/29/2007	19:50	9	10	68
6/29/2007	20:45	7	10	66
6/29/2007	21:45	7	30	66
6/30/2007	4:50	0	0	61
6/30/2007	5:50	0	0	61
6/30/2007	6:50	0	0	63
6/30/2007	7:50	6	Var	68
6/30/2007	8:45	6	Var	70
6/30/2007	9:50	6	Var	72

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



Via Email and Regular Mail

July 16, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
6/23/07	7	10	3

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in cursive script that reads "Richard L. Menozzi".

Richard L. Menozzi

July 16, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
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K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 6/23/07

SAMPLES COLLECTED DURING W/E 6/23/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	7	24 hour	8
Resumed Dredging	CAMU Southern Berm ¹	7	24 hour	4
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	7	24 hour	1
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	7	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	7
Sampling Date(s):	24 hour start dates of 6/16/2007
Date of Discovery:	6/21/07 – 6/26/07
Exceedance Type	Notification & Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (6/17/07)	19.192	6	30
Naphthalene (6/19/07)	28.255	6	30
Benzene (6/21/07)	11.047	8	40
Naphthalene (6/21/07)	58.642 (J)	6	30
Benzene (6/22/07)	15.921	8	40
Naphthalene (6/22/07)	191.920 (J)	6	30
Benzene (6/23/07)	20.145	8	40
Naphthalene (6/23/07)	293.211	6	30

J = Estimated Value

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	7
Sampling Date(s):	24 hour start dates of 6/16/2007
Date of Discovery:	6/21/07 – 6/26/07
Exceedance Type	Notification

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (6/21/07)	11.226 (J)	8	40
Naphthalene (6/21/07)	7.935 (UJ)	6	30
Benzene (6/23/07)	10.332 (J)	8	40
Naphthalene (6/23/07)	18.446 (J)	6	30

U = Not Detected

J = Estimated Value

B = Method Blank Contamination

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	7
Sampling Date(s):	24 hour start dates of 6/16/2007
Date of Discovery:	6/21/07 – 6/26/07
Exceedance Type	Notification

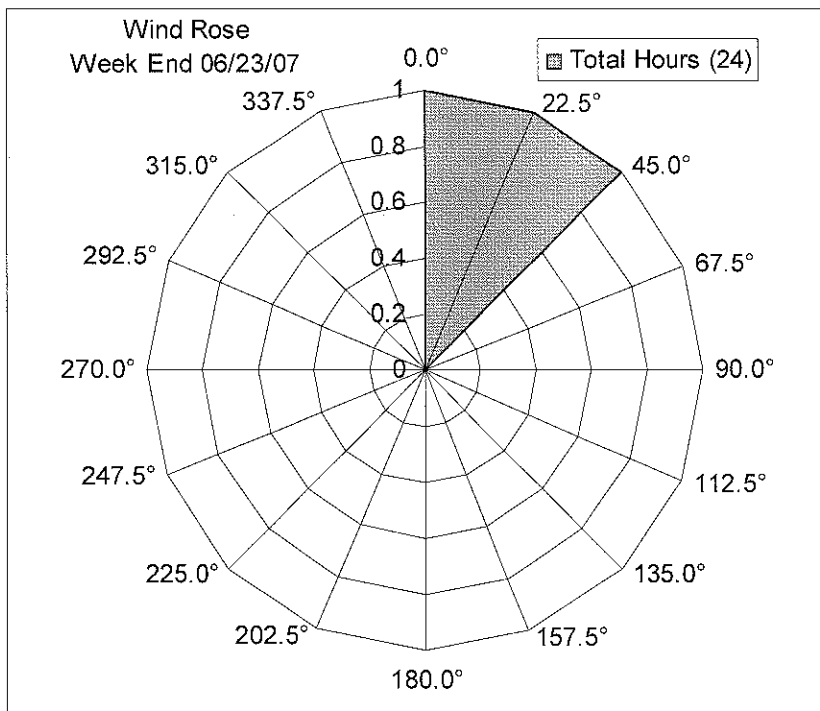
Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (6/22/07)	10.662 (J)	6	30

J = Estimated Value

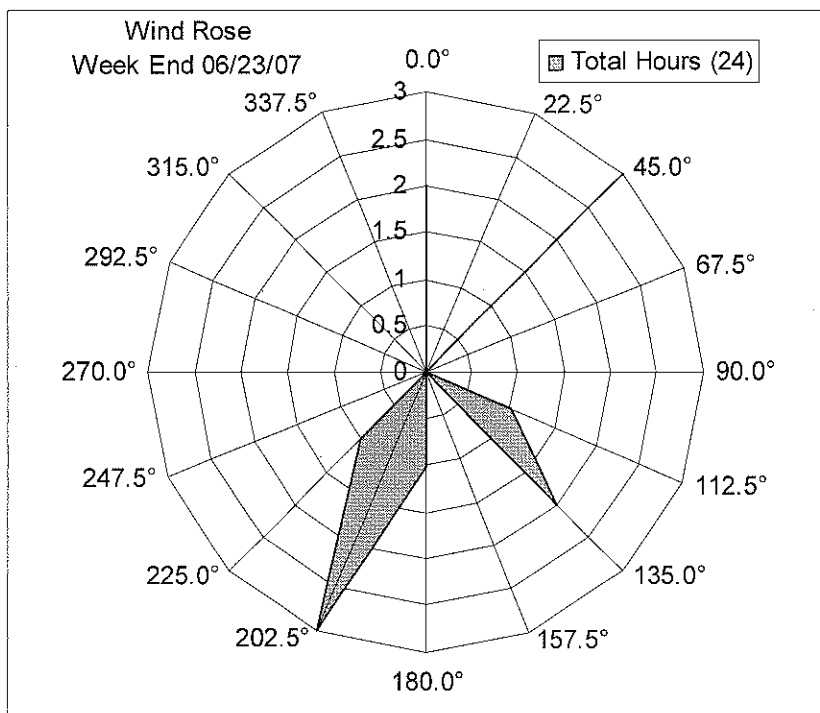
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	7
Sampling Date(s):	24 hour start dates of 6/16/2007
Date of Discovery:	6/21/07 – 6/26/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

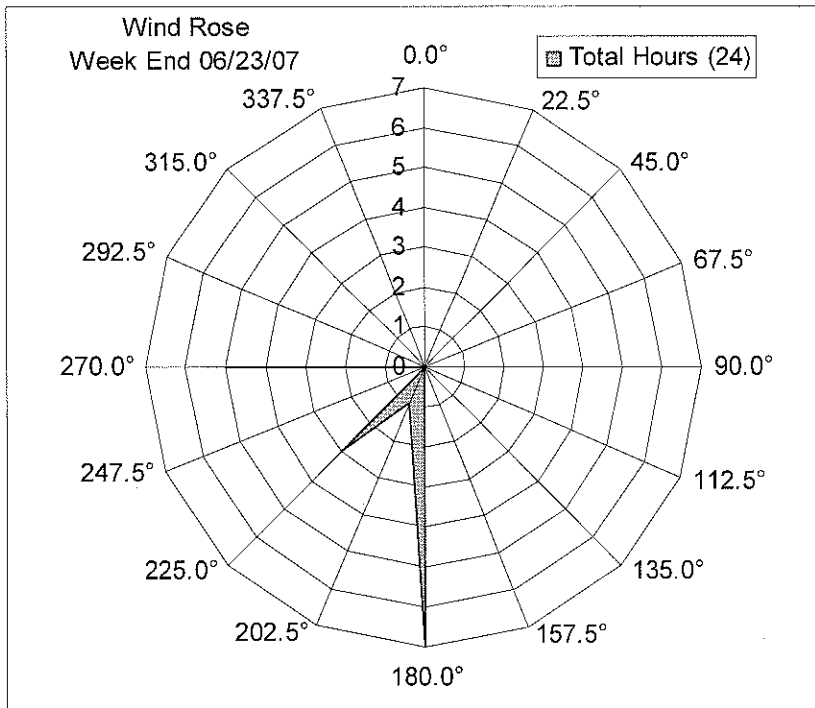
6/16/07 – 6/17/07



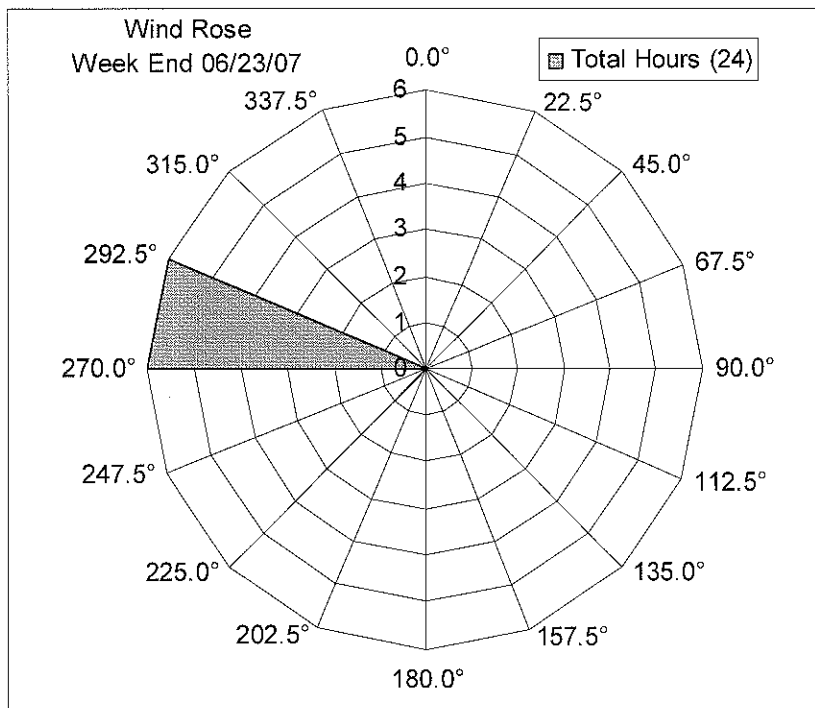
6/17/07 – 6/18/07



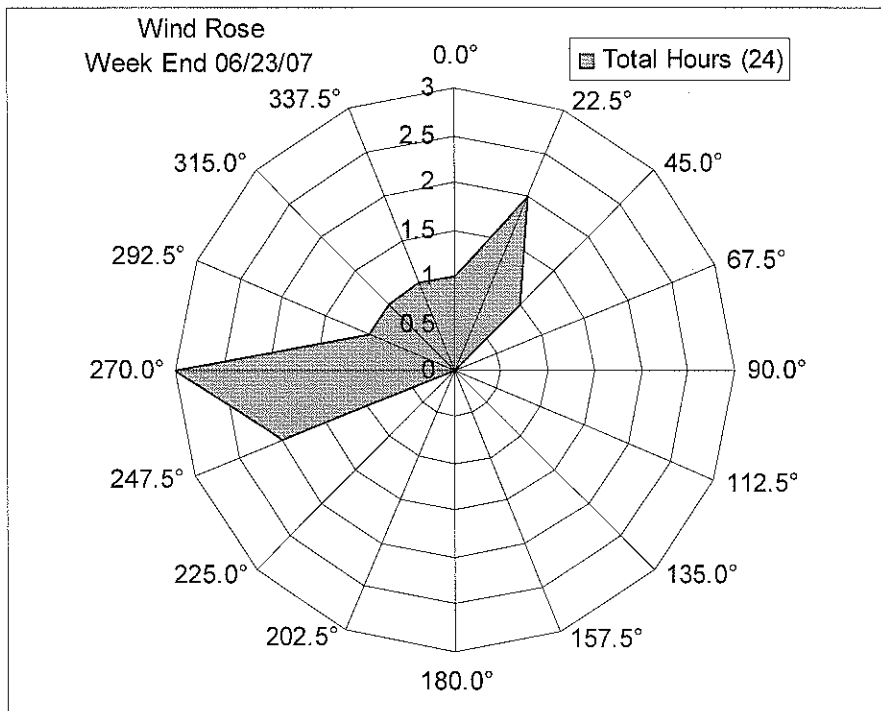
6/18/07 – 6/19/07



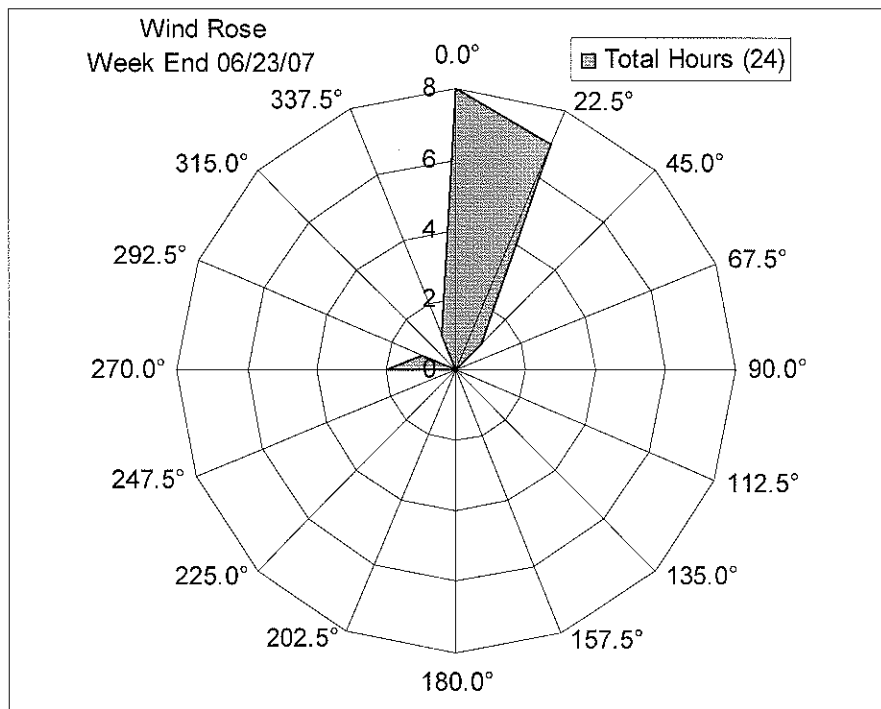
6/19/07 – 6/20/07



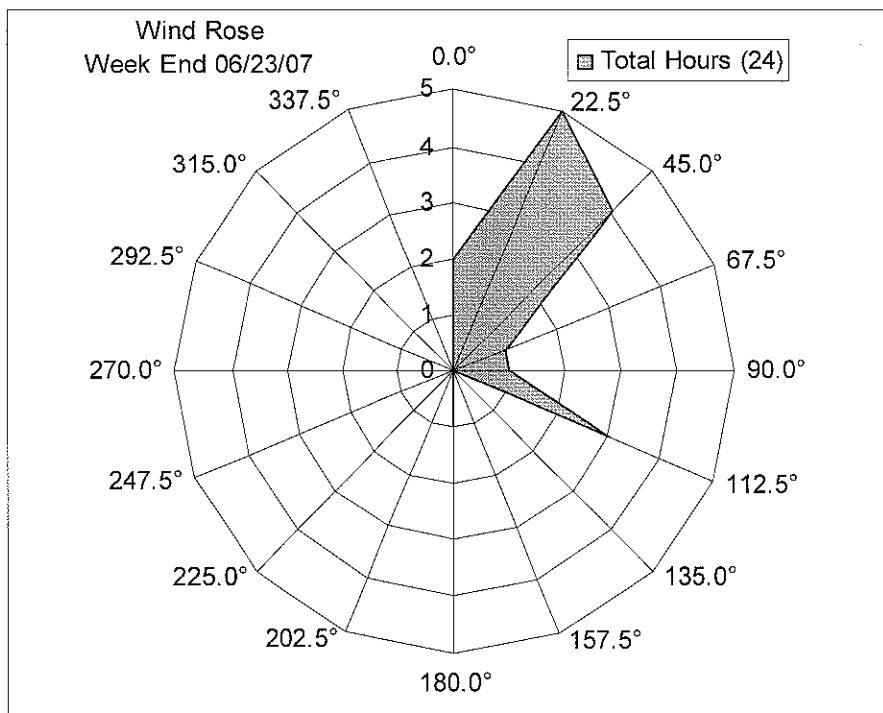
6/20/07 – 6/21/07



6/21/07 – 6/22/07



6/22/07 – 6/23/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/16/2007	8:50	5	VAR	82
6/16/2007	9:50	7	VAR	84
6/16/2007	12:52	7	VAR	91
6/16/2007	13:55	7	VAR	91
6/16/2007	14:55	6	VAR	981
6/16/2007	15:54	6	VAR	79
6/16/2007	21:45	6	VAR	75
6/17/2007	5:50	0	0	68
6/17/2007	7:50	0	0	75
6/17/2007	8:50	7	30	79
6/17/2007	9:50	7	50	81
6/17/2007	10:50	5	VAR	82
6/17/2007	11:55	7	VAR	82
6/17/2007	12:50	6	VAR	88
6/17/2007	13:55	9	10	N/A
6/17/2007	14:50	9	50	88
6/17/2007	15:50	11	50	86
6/17/2007	17:50	9	50	94
6/17/2007	18:50	0	0	84
6/17/2007	19:50	11	130	88
6/17/2007	20:50	11	120	N/A

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/17/2007	21:50	9	130	81
6/18/2007	5:50	6	220	72
6/18/2007	6:45	6	200	75
6/18/2007	7:55	6	200	79
6/18/2007	8:55	6	200	82
6/18/2007	10:50	9	190	88
6/18/2007	11:50	11	220	91
6/18/2007	12:50	14	230	88
6/18/2007	13:50	9	180	75
6/18/2007	14:45	11	170	82
6/18/2007	15:50	11	170	86
6/18/2007	16:50	6	VAR	N/A
6/18/2007	17:50	11	180	79
6/18/2007	18:50	11	180	81
6/18/2007	19:50	9	180	81
6/18/2007	21:50	14	180	75
6/19/2007	4:50	8	260	72
6/19/2007	5:50	8	260	72
6/19/2007	6:50	8	220	72
6/19/2007	8:50	7	260	73
6/19/2007	9:50	11	270	73
6/19/2007	10:50	11	270	81
6/19/2007	11:50	11	290	81
6/19/2007	12:50	11	290	81
6/19/2007	13:50	14	290	82
6/19/2007	14:49	9	320	82
6/19/2007	15:55	11	300	82
6/19/2007	16:50	11	270	82
6/19/2007	17:50	11	280	81
6/19/2007	18:50	11	280	81
6/19/2007	19:50	14	290	79
6/19/2007	21:45	9	290	73
6/20/2007	4:50	9	270	61
6/20/2007	5:45	9	280	57
6/20/2007	6:50	9	300	64
6/20/2007	8:50	13	320	75
6/20/2007	9:50	11	340	79
6/20/2007	10:50	9	360	79
6/20/2007	11:45	8	30	N/A
6/20/2007	13:50	11	30	81
6/20/2007	14:50	7	40	82
6/20/2007	17:50	5	VAR	82
6/20/2007	18:50	6	VAR	82
6/20/2007	19:50	5	VAR	81
6/20/2007	20:50	5	VAR	81
6/20/2007	21:45	5	VAR	70
6/21/2007	4:50	8	260	72
6/21/2007	5:50	11	2620	70

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/21/2007	6:50	11	250	72
6/21/2007	7:50	11	250	75
6/21/2007	8:50	11	260	79
6/21/2007	9:50	11	290	81
6/21/2007	10:50	11	280	81
6/21/2007	11:50	14	340	N/A
6/21/2007	12:50	14	10	75
6/21/2007	13:50	7	10	75
6/21/2007	14:50	11	20	75
6/21/2007	15:48	9	30	73
6/21/2007	16:45	9	10	73
6/21/2007	17:46	9	20	73
6/21/2007	18:48	9	20	70
6/21/2007	19:50	9	20	70
6/21/2007	20:50	9	30	70
6/21/2007	21:50	9	30	70
6/22/2007	4:45	0	0	66
6/22/2007	5:50	0	0	66
6/22/2007	6:50	0	0	68
6/22/2007	7:50	0	0	70
6/22/2007	8:45	0	0	70
6/22/2007	10:50	9	40	73
6/22/2007	11:50	11	20	73
6/22/2007	12:50	11	20	75
6/22/2007	13:50	11	20	73
6/22/2007	14:50	13	40	75
6/22/2007	15:50	13	40	73
6/22/2007	16:50	11	360	72
6/22/2007	18:46	9	20	70
6/22/2007	19:47	9	30	70
6/22/2007	20:49	9	50	70
6/22/2007	21:50	9	60	70
6/23/2007	5:50	9	120	63
6/23/2007	6:50	9	120	63
6/23/2007	7:47	9	170	61
6/23/2007	8:50	9	120	N/A
6/23/2007	9:50	9	80	63

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



Via Email and Regular Mail

July 2, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
6/16/07	7	8	4

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in black ink that reads "Richard L. Menozzi". The signature is written in a cursive, flowing style.

Richard L. Menozzi

July 2, 2007
Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 6/16/07

SAMPLES COLLECTED DURING W/E 6/16/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	7	24 hour	7
Resumed Dredging	CAMU Southern Berm ¹	7	24 hour	4
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	7	24 hour	1
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	7	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	7
Sampling Date(s):	24 hour start dates of 6/9/2007
Date of Discovery:	6/14/07 – 6/19/07
Exceedance Type	Notification & Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (6/10/07)	11.697	8	40
Naphthalene (6/10/07)	122.616	6	30
Naphthalene (6/12/07)	24.523	6	30
Benzene (6/13/07)	8.448	8	40
Naphthalene (6/13/07)	51.178	6	30
Naphthalene (6/14/07)	58.642	6	30
Naphthalene (6/15/07)	90.629	6	30

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	7
Sampling Date(s):	24 hour start dates of 6/9/2007
Date of Discovery:	6/14/07 – 6/19/07
Exceedance Type	Notification

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (6/13/07)	7.277	6	30
Naphthalene (6/14/07)	25.728	6	30
Naphthalene (6/15/07)	25.696	6	30
Naphthalene (6/16/07)	8.077	6	30

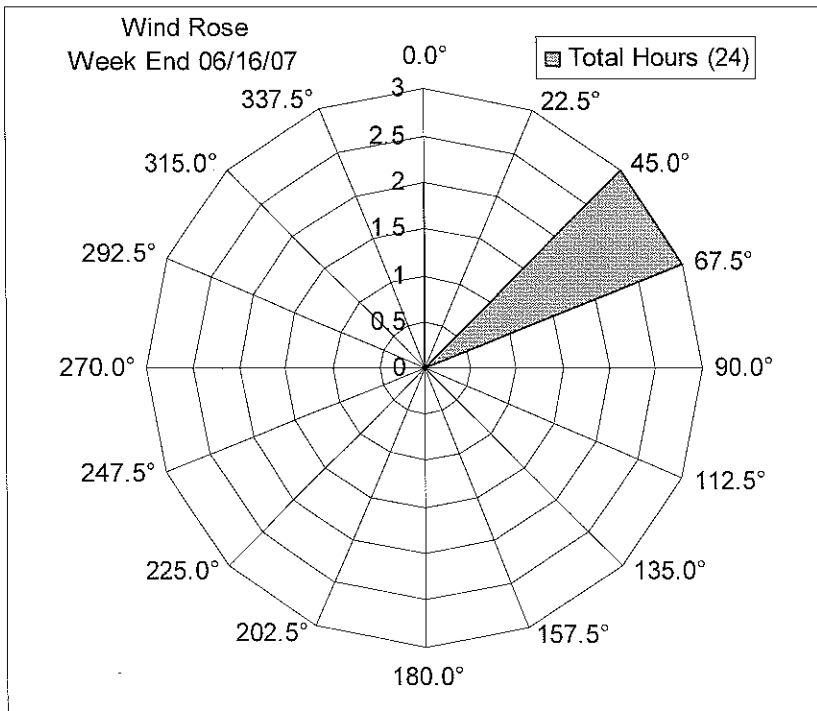
Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	7
Sampling Date(s):	24 hour start dates of 6/9/2007
Date of Discovery:	6/14/07 – 6/19/07
Exceedance Type	Notification

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (6/13/07)	7.464	6	30

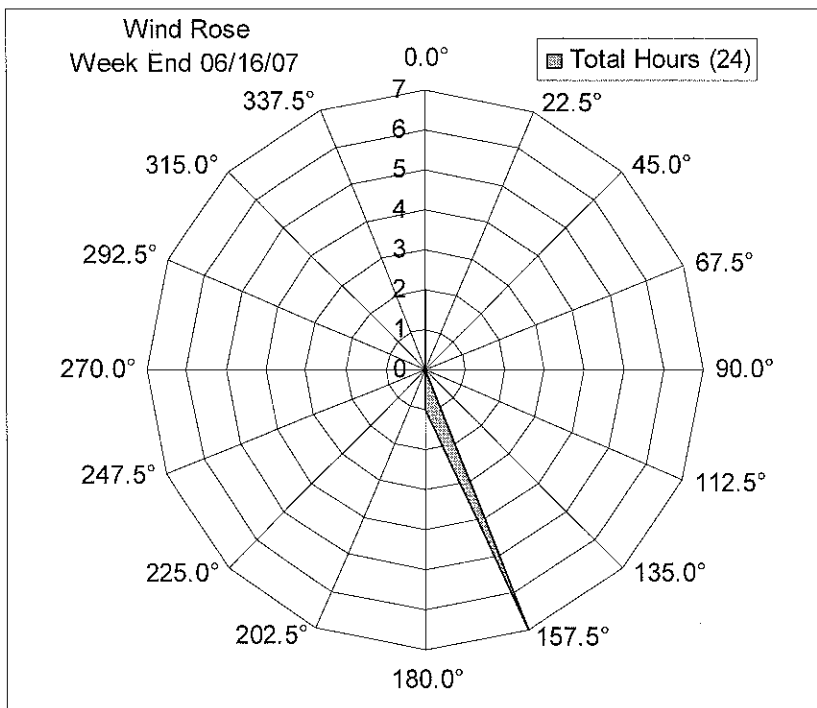
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	7
Sampling Date(s):	24 hour start dates of 6/9/2007
Date of Discovery:	6/14/07 – 6/19/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

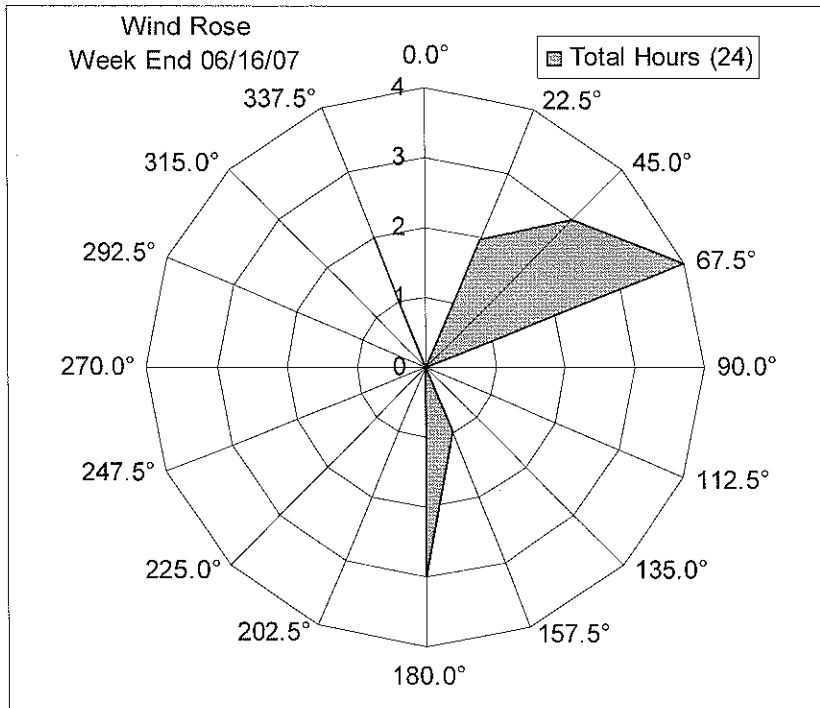
6/9/07 – 6/10/07



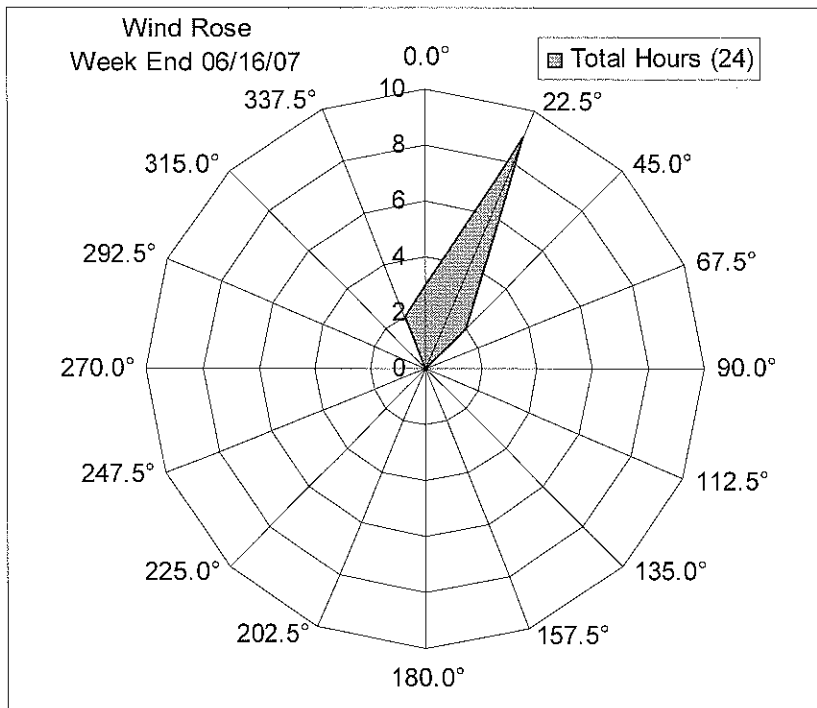
6/10/07 – 6/11/07



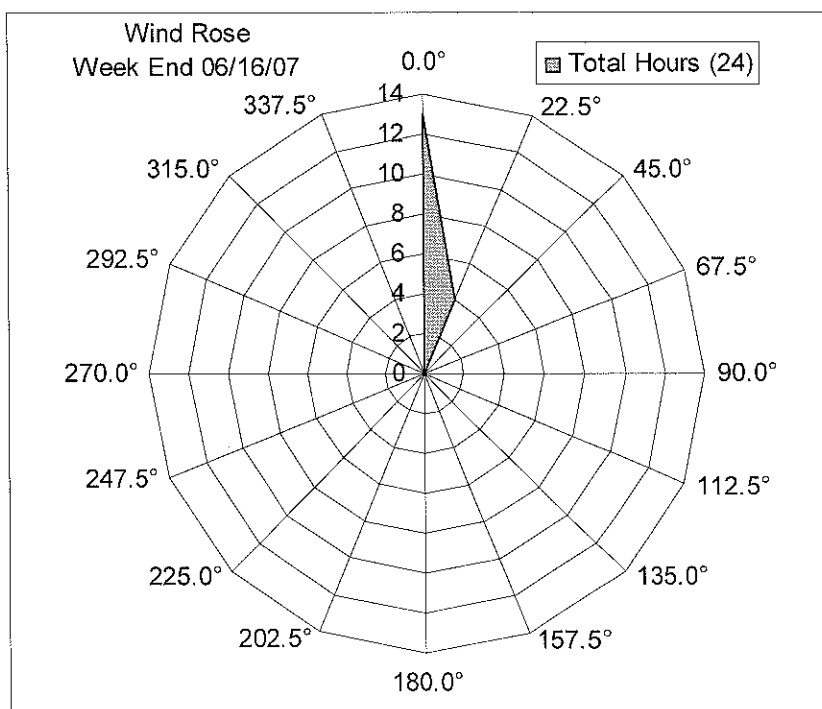
6/11/07 – 6/12/07



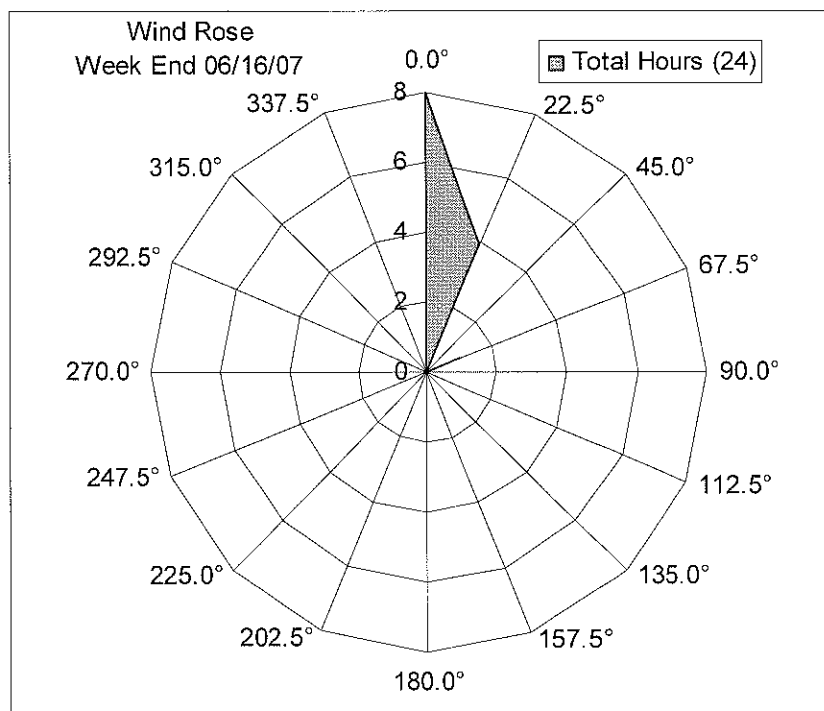
6/12/07 – 6/13/07



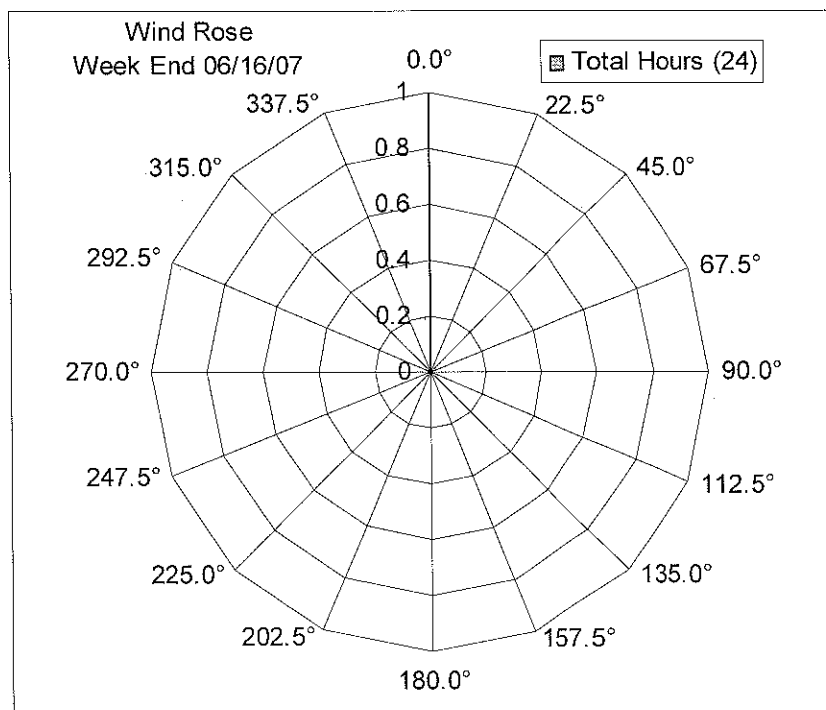
6/13/07 – 6/14/07



6/14/07 – 6/15/07



6/15/07 – 6/16/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/9/2007	8:55	0	0	70
6/9/2007	10:45	7	VAR	73
6/9/2007	11:45	7	VAR	75
6/9/2007	12:45	5	VAR	75
6/9/2007	13:50	7	VAR	77
6/9/2007	14:48	11	60	77
6/9/2007	15:50	11	50	79
6/9/2007	16:45	11	50	77
6/9/2007	17:45	11	60	79
6/9/2007	18:45	9	50	75
6/9/2007	19:45	8	70	72
6/9/2007	20:45	5	VAR	63
6/9/2007	21:45	5	VAR	61
6/10/2007	4:50	0	0	55
6/10/2007	5:49	0	0	55
6/10/2007	6:47	6	VAR	63
6/10/2007	7:45	6	VAR	68
6/10/2007	8:50	5	VAR	73
6/10/2007	9:45	6	VAR	75
6/10/2007	10:45	6	VAR	79
6/10/2007	11:50	6	VAR	81
6/10/2007	12:50	6	VAR	81

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/10/2007	13:45	6	VAR	81
6/10/2007	14:50	6	VAR	81
6/10/2007	15:45	6	VAR	81
6/10/2007	16:50	9	150	81
6/10/2007	17:50	9	160	79
6/10/2007	18:50	8	150	81
6/10/2007	19:50	8	160	75
6/10/2007	20:50	0	0	68
6/10/2007	21:50	0	0	66
6/11/2007	4:50	9	150	59
6/11/2007	5:50	9	150	63
6/11/2007	6:45	9	150	68
6/11/2007	9:50	7	180	79
6/11/2007	10:50	7	180	81
6/11/2007	11:50	9	180	82
6/11/2007	12:50	6	VAR	82
6/11/2007	13:50	6	VAR	82
6/11/2007	14:50	9	40	82
6/11/2007	15:50	8	30	82
6/11/2007	16:50	9	50	81
6/11/2007	17:50	11	60	79
6/11/2007	18:50	11	60	75
6/11/2007	19:50	11	60	73
6/11/2007	20:50	8	50	70
6/11/2007	21:50	9	60	70
6/12/2007	4:50	7	340	61
6/12/2007	6:55	7	340	68
6/12/2007	7:45	7	30	70
6/12/2007	8:45	7	20	73
6/12/2007	9:50	7	20	75
6/12/2007	11:50	9	30	77
6/12/2007	12:50	11	30	79
6/12/2007	13:45	11	30	77
6/12/2007	14:48	9	30	79
6/12/2007	15:45	14	30	79
6/12/2007	16:48	11	40	75
6/12/2007	17:45	9	40	75
6/12/2007	18:50	9	30	72
6/12/2007	19:45	9	30	70
6/12/2007	20:45	5	VAR	68
6/12/2007	21:55	5	VAR	66
6/13/2007	4:50	5	360	61
6/13/2007	5:45	5	340	63
6/13/2007	6:45	6	360	68
6/13/2007	7:45	6	10	70
6/13/2007	8:50	6	30	72
6/13/2007	9:50	6	20	75
6/13/2007	10:45	6	10	79

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/13/2007	11:50	8	30	79
6/13/2007	12:50	8	30	81
6/13/2007	13:55	9	30	81
6/13/2007	14:50	9	360	81
6/13/2007	15:50	9	360	81
6/13/2007	16:50	9	350	81
6/13/2007	17:50	9	360	75
6/13/2007	18:50	9	360	79
6/13/2007	19:50	7	VAR	70
6/13/2007	20:50	7	VAR	70
6/13/2007	21:47	7	VAR	68
6/14/2007	4:50	0	0	61
6/14/2007	5:50	0	0	63
6/14/2007	6:50	0	0	70
6/14/2007	8:50	0	0	79
6/14/2007	9:50	0	0	81
6/14/2007	11:46	0	0	79
6/14/2007	12:50	5	VAR	81
6/14/2007	13:50	9	360	81
6/14/2007	14:50	9	360	81
6/14/2007	15:50	9	30	81
6/14/2007	17:47	9	30	79
6/14/2007	18:46	9	30	77
6/14/2007	19:50	7	30	75
6/14/2007	20:50	9	70	73
6/14/2007	21:49	9	70	73
6/15/2007	4:45	0	0	63
6/15/2007	5:50	0	0	63
6/15/2007	6:45	3	VAR	70
6/15/2007	7:50	3	VAR	73
6/15/2007	8:50	0	0	79
6/15/2007	9:45	0	0	81
6/15/2007	10:45	3	VAR	82
6/15/2007	12:50	6	VAR	88
6/15/2007	13:50	6	VAR	88
6/15/2007	14:50	6	VAR	88
6/15/2007	15:45	7	VAR	86
6/15/2007	16:50	7	VAR	84
6/15/2007	17:50	7	VAR	82
6/15/2007	18:48	5	VAR	81
6/16/2007	4:50	0	0	63
6/16/2007	6:50	5	VAR	70
6/16/2007	8:50	5	VAR	82
6/16/2007	9:50	7	VAR	84

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

June 25, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
6/9/07	5	3	3

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in cursive script that reads "Richard Menozzi".

Richard L. Menozzi

June 25, 2007
Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 6/9/07

SAMPLES COLLECTED DURING W/E 6/9/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	3
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	1
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	1
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	1

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 6/4/2007
Date of Discovery:	6/7/07 – 6/12/07
Exceedance Type	Notification & Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (6/5/07)	12.262	6	30
Naphthalene (6/6/07)	43.715	6	30
Naphthalene (6/7/07)	58.642	6	30

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 6/4/2007
Date of Discovery:	6/7/07 – 6/12/07
Exceedance Type	Notification & Action

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (6/5/07)	82.632	6	30

¹ CAMU Southern Berm -- average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 6/4/2007
Date of Discovery:	6/7/07 – 6/12/07
Exceedance Type	Notification

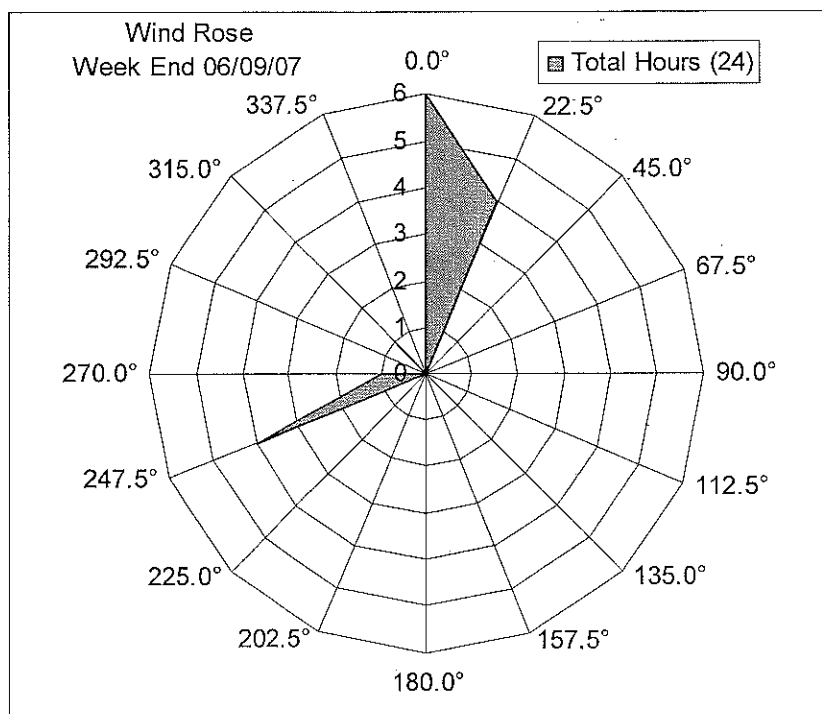
Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (6/5/07)	9.063	6	30

Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 6/4/2007
Date of Discovery:	6/7/07 – 6/12/07
Exceedance Type	Notification

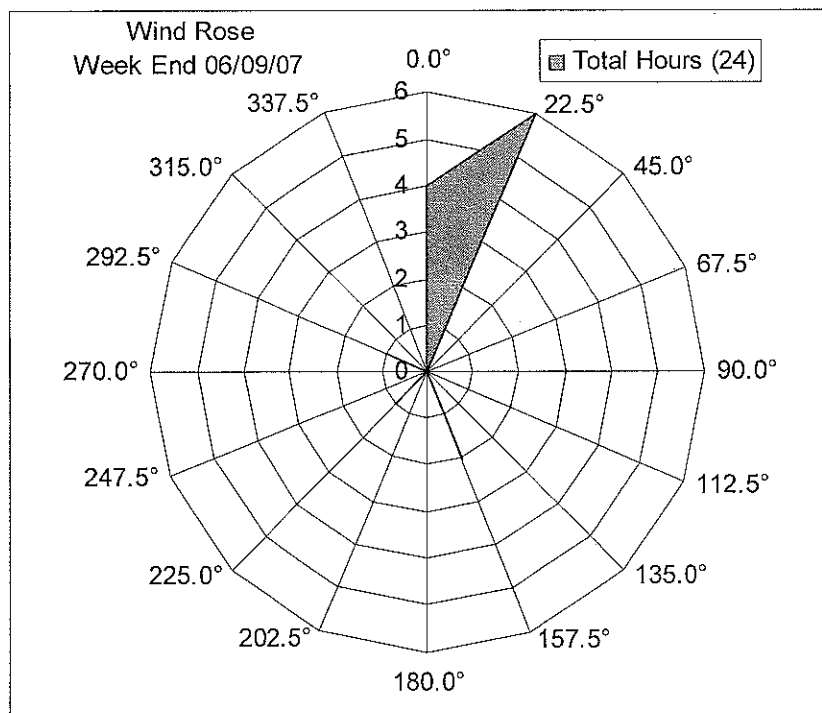
Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (6/2/07)	7.464	6	30

Meteorological Conditions during Event(s):

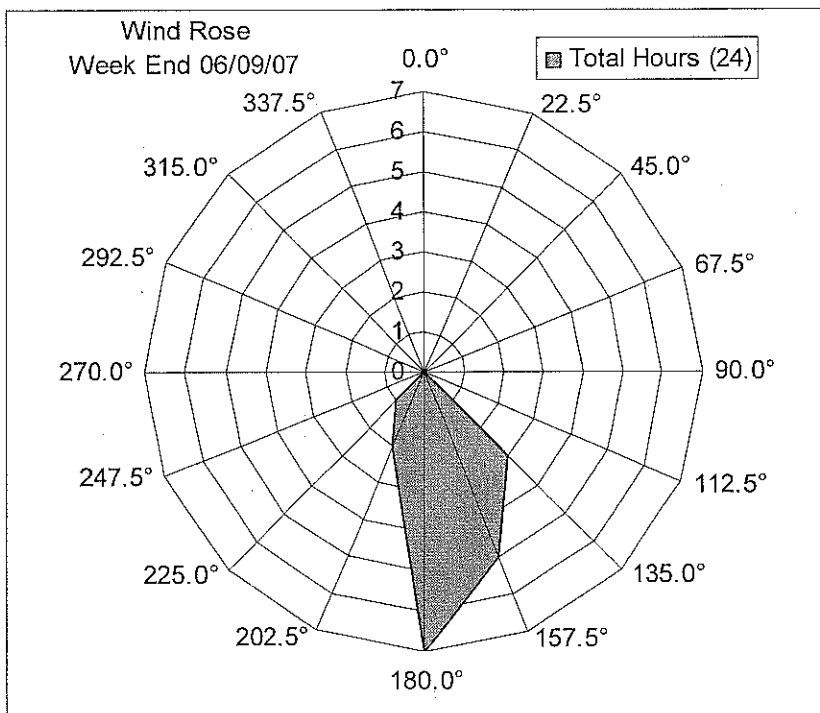
6/4/07 – 6/5/07



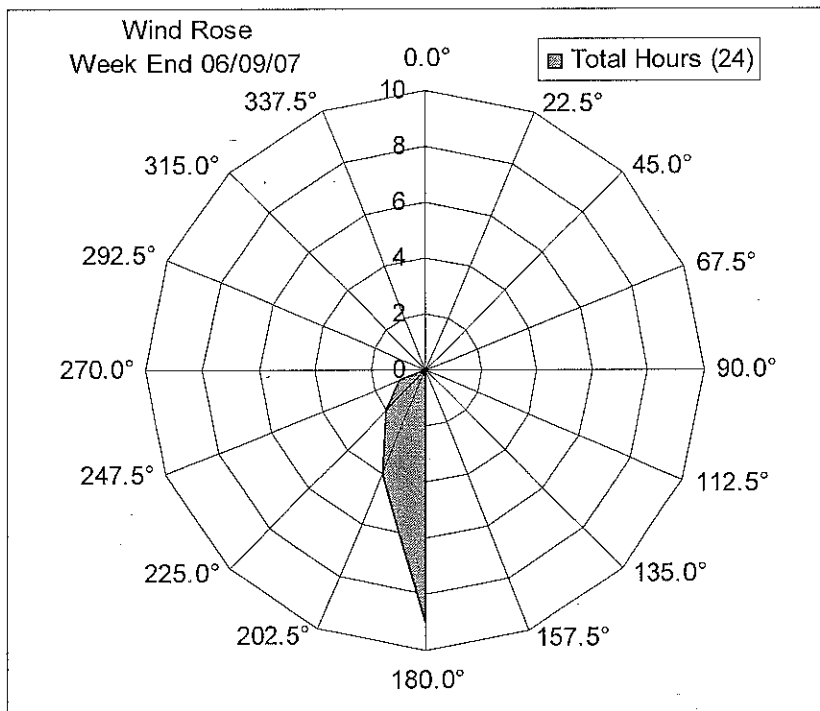
6/5/07 – 6/6/07



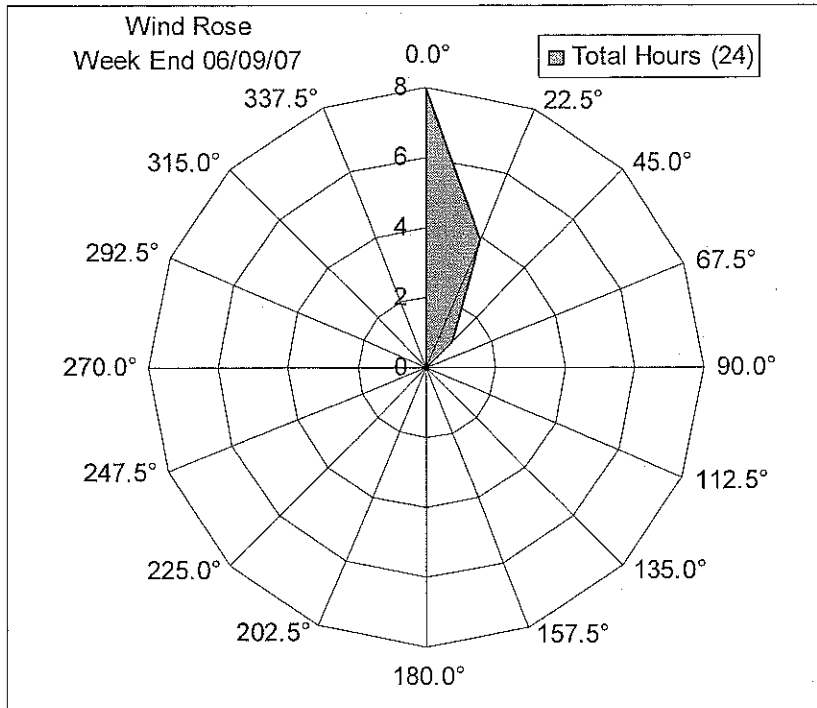
6/6/07 – 6/7/07



6/7/07 – 6/8/07



6/8/07 – 6/9/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/4/2007	8:50	9	250	66
6/4/2007	9:45	9	260	64
6/4/2007	10:50	9	250	66
6/4/2007	11:45	14	240	NA
6/4/2007	12:45	6	VAR	70
6/4/2007	13:50	NA	NA	NA
6/4/2007	14:45	11	320	68
6/4/2007	16:45	11	350	66
6/4/2007	18:50	11	350	63
6/4/2007	19:50	9	350	63
6/4/2007	20:50	9	20	63
6/4/2007	21:50	9	20	61
6/5/2007	5:50	9	10	55
6/5/2007	6:50	9	10	57
6/5/2007	7:50	13	350	59
6/5/2007	8:50	13	30	61
6/5/2007	9:55	11	20	61
6/5/2007	10:50	11	20	61
6/5/2007	11:50	9	20	61
6/5/2007	12:50	9	20	NA
6/5/2007	13:50	9	20	NA
6/5/2007	14:45	9	20	61
6/5/2007	15:45	11	20	61
6/5/2007	16:45	9	10	57

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/5/2007	20:50	9	350	55
6/5/2007	21:47	7	350	55
6/6/2007	4:50	6	290	43
6/6/2007	6:45	6	230	52
6/6/2007	7:45	7	VAR	57
6/6/2007	8:50	9	160	63
6/6/2007	9:50	11	150	64
6/6/2007	10:50	11	150	68
6/6/2007	11:45	11	150	70
6/6/2007	12:50	11	200	70
6/6/2007	13:50	14	190	72
6/6/2007	14:50	14	220	75
6/6/2007	15:55	9	200	73
6/6/2007	16:50	9	170	73
6/6/2007	17:45	9	160	73
6/6/2007	18:45	9	140	75
6/6/2007	19:45	9	140	75
6/6/2007	20:50	14	140	73
6/6/2007	21:47	9	150	73
6/7/2007	4:50	11	170	75
6/7/2007	6:50	17	170	75
6/7/2007	7:50	17	170	79
6/7/2007	8:50	17	170	81
6/7/2007	9:50	17	170	82
6/7/2007	10:50	21	180	84
6/7/2007	12:50	21	200	91
6/7/2007	13:50	21	210	91
6/7/2007	14:45	21	190	93
6/7/2007	15:50	21	190	93
6/7/2007	17:50	21	190	91
6/7/2007	18:50	14	190	93
6/7/2007	19:50	11	190	90
6/7/2007	20:45	11	190	88
6/7/2007	21:50	11	200	86
6/8/2007	4:50	9	200	81
6/8/2007	5:55	9	220	81
6/8/2007	6:50	11	240	79
6/8/2007	7:45	14	214	79
6/8/2007	8:50	NA	NA	79
6/8/2007	10:50	14	270	NA
6/8/2007	11:50	16	270	75
6/8/2007	13:50	11	280	75
6/8/2007	14:50	11	30	70
6/8/2007	15:48	14	30	72
6/8/2007	16:50	14	30	72
6/8/2007	17:45	9	20	70
6/8/2007	18:50	9	50	70
6/8/2007	19:50	0	0	68

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/8/2007	21:46	0	0	57
6/9/2007	4:48	0	0	52
6/9/2007	5:50	0	0	54
6/9/2007	6:50	0	0	59
6/9/2007	7:50	0	0	66
6/9/2007	8:55	0	0	70
6/9/2007	10:45	7	VAR	73

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

June 18, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
6/2/07	4	4	0

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

June 18, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 6/2/07

SAMPLES COLLECTED DURING W/E 6/2/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	4	24 hour	4
Resumed Dredging	CAMU Southern Berm ¹	4	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	4	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	4	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 5/29/2007
Date of Discovery:	6/1/07 – 6/6/07
Exceedance Type	Notification

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (5/30/07)	15.46	6	30
Naphthalene (5/31/07)	12.26	6	30
Naphthalene (6/1/07)	7.46	6	30
Naphthalene (6/2/07)	20.79	6	30

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 5/29/2007
Date of Discovery:	6/1/07 – 6/6/07
Exceedance Type	No Exceedances to Report

No Exceedances Occurred.

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 5/29/2007
Date of Discovery:	6/1/07 – 6/6/07
Exceedance Type	No Exceedances to Report

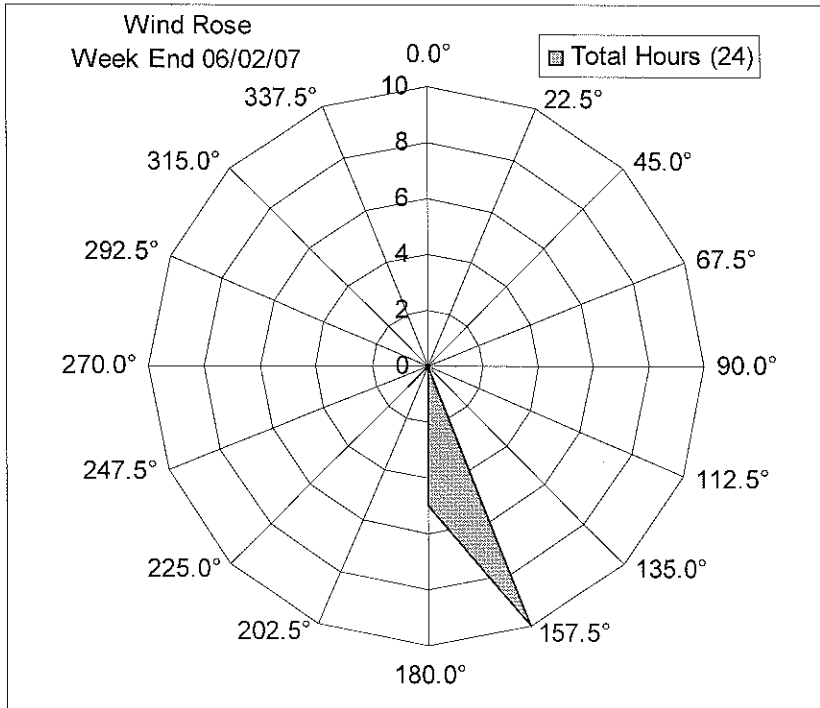
No Exceedances Occurred.

Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 5/29/2007
Date of Discovery:	6/1/07 – 6/6/07
Exceedance Type	No Exceedances to Report

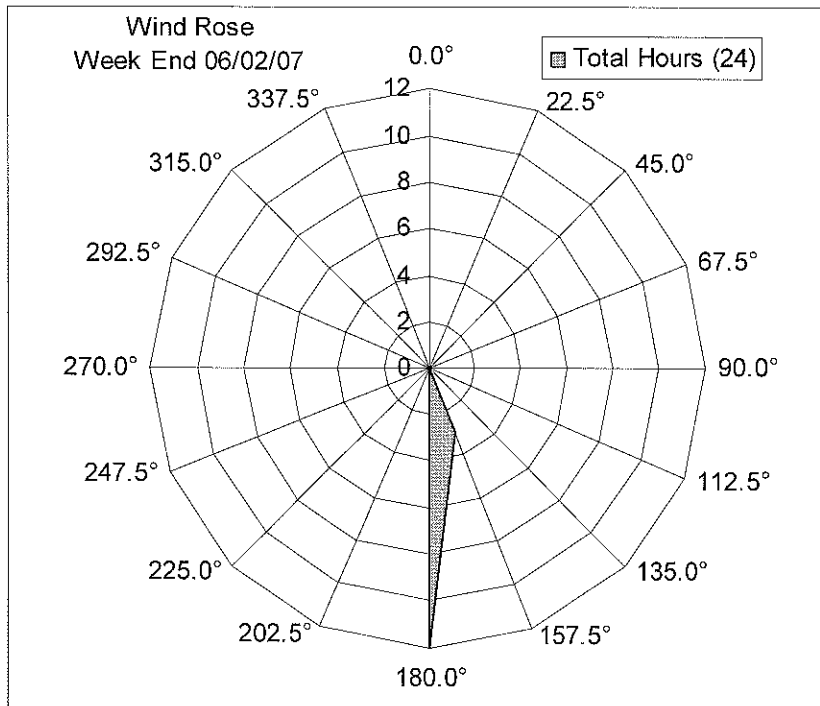
No Exceedances Occurred.

Meteorological Conditions during Event(s):

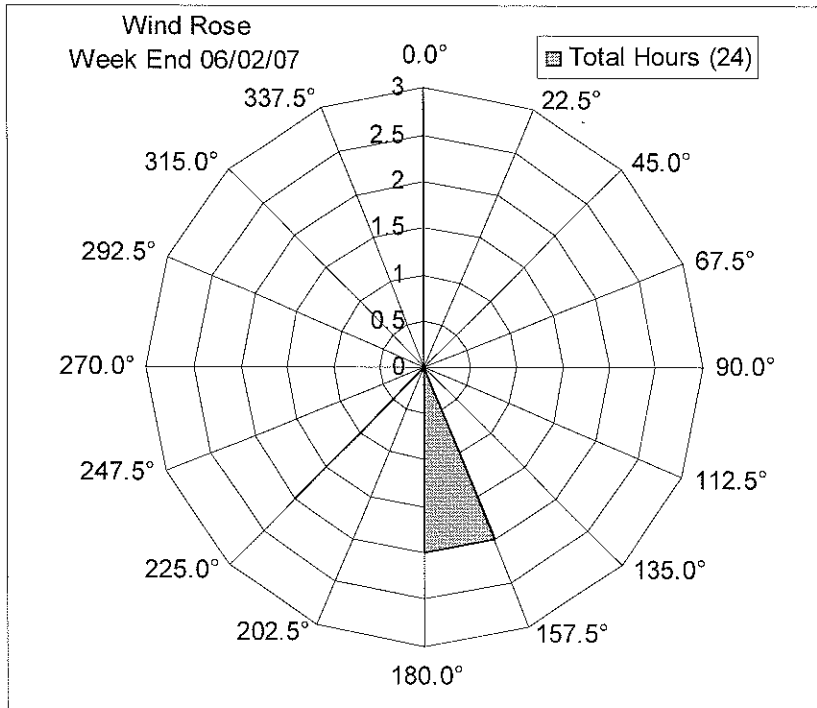
5/29/07 – 5/30/07



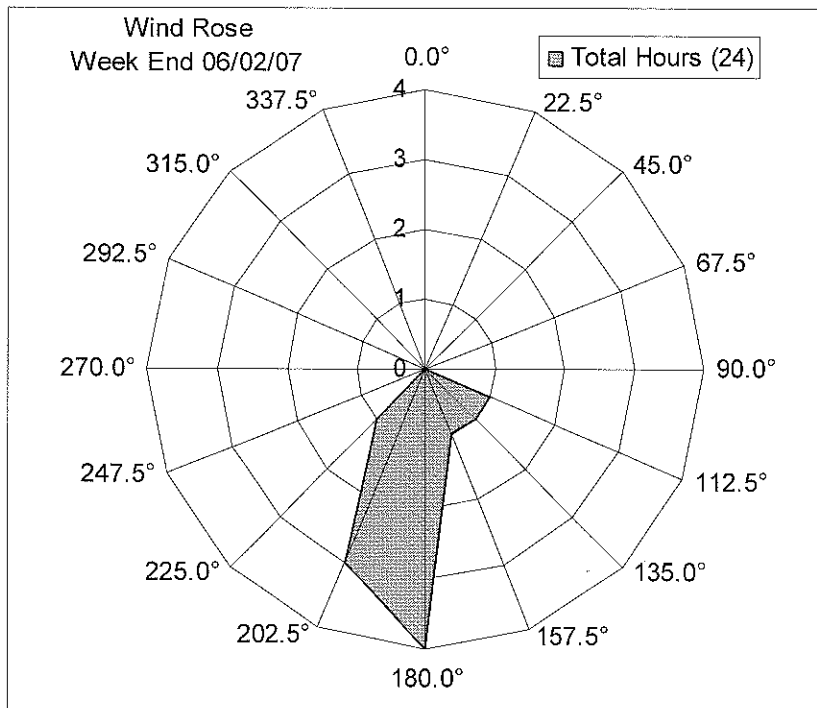
5/30/07 – 5/31/07



5/31/07 – 6/1/07



6/1/07 – 6/2/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
5/29/2007	8:50	5	Variable	79
5/29/2007	9:50	9	160	N/A
5/29/2007	10:50	9	160	82
5/29/2007	11:50	11	220	84
5/29/2007	12:50	11	150	86
5/29/2007	13:50	11	160	88
5/29/2007	14:50	9	160	88
5/29/2007	15:45	9	150	88
5/29/2007	16:50	11	170	91
5/29/2007	17:50	9	170	91
5/29/2007	19:55	7	170	81
5/29/2007	20:45	7	160	73
5/29/2007	21:45	7	150	70
5/30/2007	4:50	7	150	63
5/30/2007	5:50	5	150	64
5/30/2007	6:50	5	Variable	73
5/30/2007	7:50	5	Variable	75
5/30/2007	8:50	10	190	79
5/30/2007	9:50	9	190	81
5/30/2007	10:50	11	180	84
5/30/2007	11:50	11	180	86
5/30/2007	12:50	N/A	N/A	90
5/30/2007	13:50	11	170	N/A
5/30/2007	14:50	11	180	90
5/30/2007	15:50	11	180	91
5/30/2007	16:50	14	180	91
5/30/2007	17:50	14	180	88
5/30/2007	19:50	7	160	82
5/30/2007	21:47	5	Variable	77
5/31/2007	4:50	8	160	70
5/31/2007	5:50	8	170	N/A
5/31/2007	6:50	8	160	72
5/31/2007	8:50	11	170	79
5/31/2007	9:47	7	190	79
5/31/2007	11:50	7	160	81
5/31/2007	12:50	7	160	81
5/31/2007	13:50	14	230	81
5/31/2007	14:50	14	230	72
5/31/2007	15:50	11	190	73
5/31/2007	16:50	9	230	73
5/31/2007	17:50	0	0	70
5/31/2007	18:50	0	0	73
6/1/2007	4:52	0	0	70
6/1/2007	5:50	0	0	N/A
6/1/2007	6:50	5	Variable	70
6/1/2007	7:50	6	Variable	72

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
6/1/2007	8:45	6	Variable	73
6/1/2007	9:50	6	Variable	77
6/1/2007	10:50	6	Variable	79
6/1/2007	11:55	6	Variable	81
6/1/2007	12:56	7	Variable	82
6/1/2007	13:50	7	Variable	82
6/1/2007	14:50	6	Variable	84
6/1/2007	15:50	9	120	86
6/1/2007	16:47	9	140	88
6/1/2007	17:50	9	140	86
6/1/2007	18:47	9	140	84
6/1/2007	19:50	9	150	82
6/1/2007	20:50	5	200	82
6/2/2007	4:50	7	170	70
6/2/2007	5:50	7	170	70
6/2/2007	6:50	7	170	72
6/2/2007	7:50	9	200	75
6/2/2007	8:45	7	230	79
6/2/2007	9:45	9	210	81
6/2/2007	10:47	9	180	81

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800
412 433 6191
fax: 412 433 6169
email: rimenozzi@uss.com

Richard L. Menozzi
Director
Environmental Remediation

Via Email and Regular Mail

June 11, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
5/26/07	5	1	0

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in black ink that reads "Richard L. Menozzi".

Richard L. Menozzi

June 11, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 5/26/07

SAMPLES COLLECTED DURING W/E 5/26/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	1
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 5/21/2007
Date of Discovery:	5/24/07 – 5/30/07
Exceedance Type	Notification

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene (5/23/07)	23.99	6	30

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 5/21/2007
Date of Discovery:	5/14/07 – 5/30/07
Exceedance Type	No Exceedances to Report

No Exceedances Occurred.

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 5/21/2007
Date of Discovery:	5/14/07 – 5/30/07
Exceedance Type	No Exceedances to Report

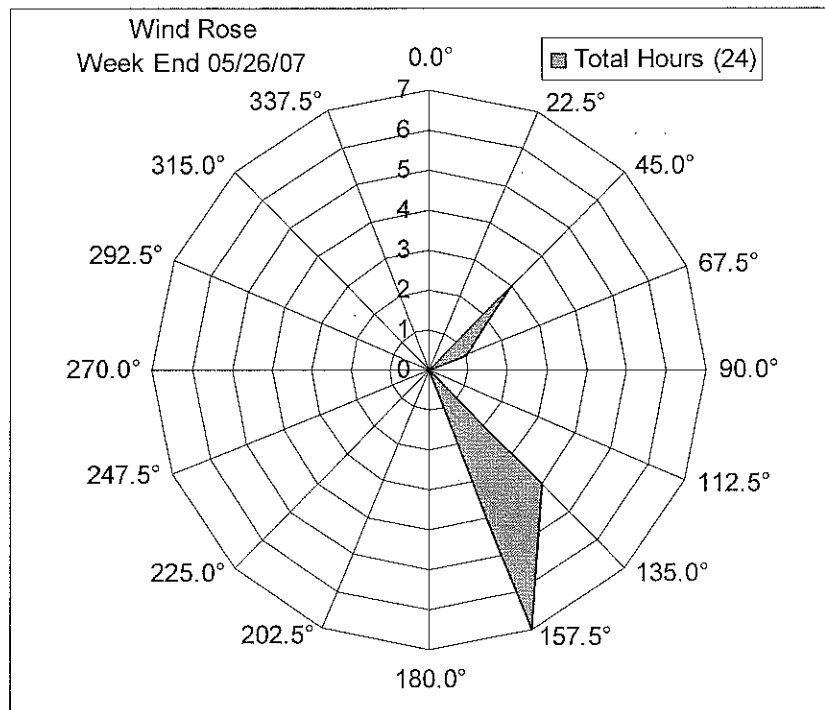
No Exceedances Occurred.

Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 5/21/2007
Date of Discovery:	5/14/07 – 5/30/07
Exceedance Type	No Exceedances to Report

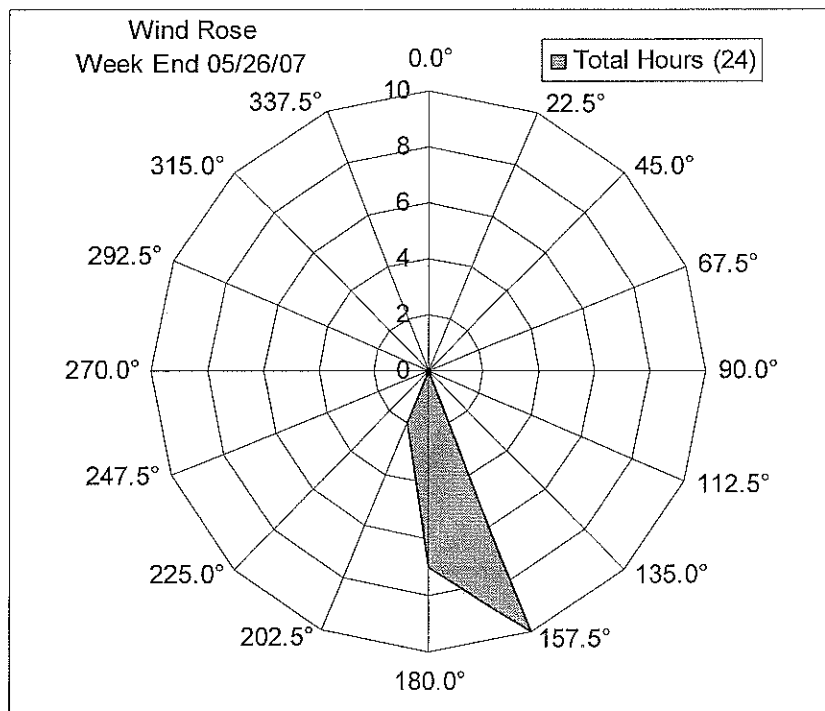
No Exceedances Occurred.

Meteorological Conditions during Event(s):

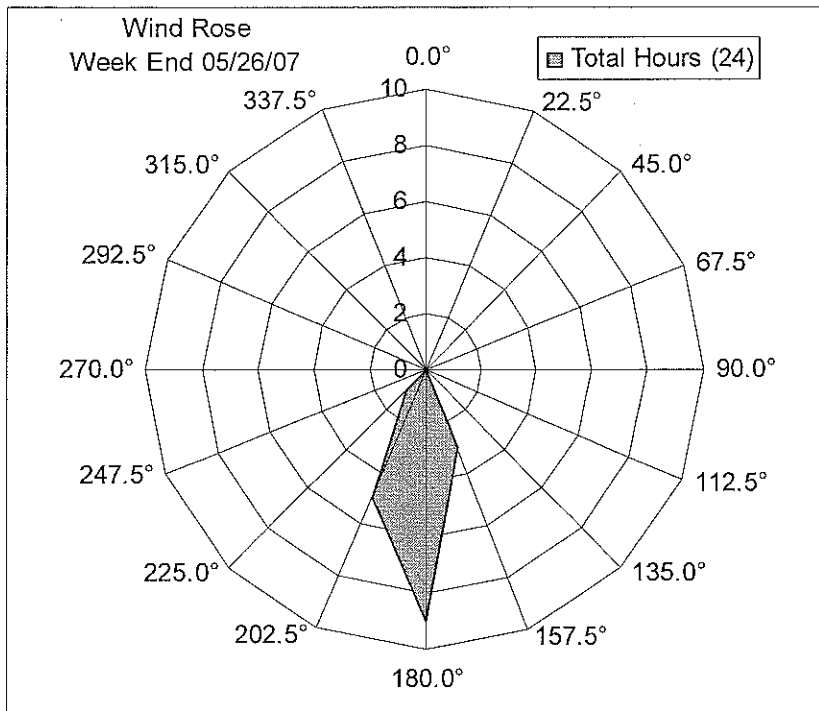
5/21/07 – 5/22/07



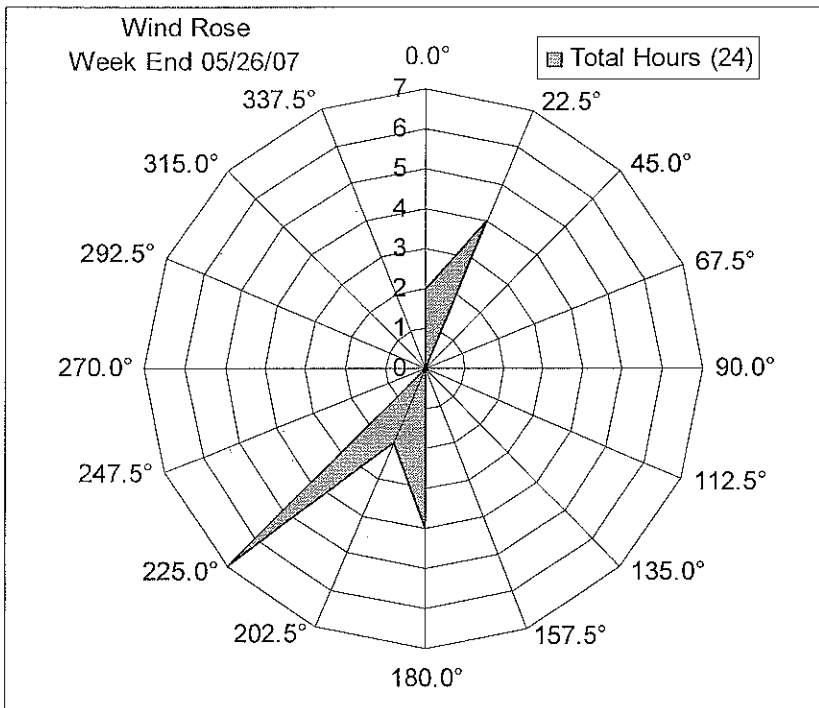
5/22/07 – 5/23/07



5/23/07 – 5/24/07



5/24/07 – 5/25/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
5/21/2007	6:50	0	0	52
5/21/2007	8:50	11	140	61
5/21/2007	9:55	11	150	68
5/21/2007	10:50	7	140	70
5/21/2007	11:50	6	130	75
5/21/2007	12:50	6	130	79
5/21/2007	14:50	14	40	82
5/21/2007	15:50	14	50	79
5/21/2007	16:50	9	50	79
5/21/2007	17:50	9	60	77
5/21/2007	19:50	7	VAR	77
5/21/2007	20:50	5	VAR	75
5/21/2007	21:50	5	VAR	66
5/22/2007	4:50	7	150	61
5/22/2007	5:45	7	160	61
5/22/2007	6:45	6	150	63
5/22/2007	8:50	6	150	75
5/22/2007	9:50	11	150	81
5/22/2007	10:50	16	150	82
5/22/2007	11:50	9	150	84
5/22/2007	12:50	11	160	84
5/22/2007	13:45	11	160	86
5/22/2007	14:50	11	170	88
5/22/2007	15:50	9	180	88
5/22/2007	16:50	9	160	88
5/22/2007	17:46	0	0	88
5/22/2007	18:50	11	170	86
5/22/2007	19:55	11	150	82
5/22/2007	10:50	9	150	81
5/22/2007	21:50	9	160	79
5/23/2007	4:55	8	170	68
5/23/2007	6:50	7	170	70
5/23/2007	7:50	9	170	73
5/23/2007	8:45	9	180	0
5/23/2007	9:50	11	200	82
5/23/2007	10:55	11	210	86
5/23/2007	11:50	9	230	86
5/23/2007	12:50	11	200	86
5/23/2007	13:50	11	200	90
5/23/2007	14:50	0	0	91
5/23/2007	15:50	11	180	91
5/23/2007	16:50	11	180	91
5/23/2007	18:50	11	200	88

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
5/23/2007	20:50	9	180	81
5/23/2007	21:50	7	190	81
5/24/2007	4:50	9	150	73
5/24/2007	5:50	9	150	70
5/24/2007	6:50	9	160	70
5/24/2007	7:50	11	170	75
5/24/2007	8:50	11	170	77
5/24/2007	9:50	11	180	81
5/24/2007	10:50	11	170	84
5/24/2007	11:47	11	190	88
5/24/2007	12:45	16	200	88
5/24/2007	13:50	16	210	NA
5/24/2007	14:50	0	0	91
5/24/2007	15:55	16	220	91
5/24/2007	16:45	15	220	90
5/24/2007	17:45	14	220	88
5/24/2007	18:50	11	220	86
5/24/2007	20:50	11	220	84
5/24/2007	21:55	11	220	NA
5/25/2007	4:50	11	10	57
5/25/2007	5:50	9	20	57
5/25/2007	6:55	9	20	57
5/25/2007	7:50	9	30	NA
5/25/2007	8:50	7	20	57
5/25/2007	9:50	5	VAR	57
5/25/2007	10:50	9	360	61
5/25/2007	11:50	9	360	61
5/25/2007	12:45	9	30	61
5/25/2007	13:45	9	30	61
5/25/2007	14:50	11	30	59
5/25/2007	15:50	9	70	61
5/25/2007	16:45	9	50	61
5/25/2007	18:50	9	50	61
5/25/2007	19:49	9	40	57
5/25/2007	20:50	0	0	57
5/25/2007	21:45	0	0	57

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area (Ellsworth Avenue) directly south of the CAMU continues.



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

May 31, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
5/12/07	5	6	3

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

May 31, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 5/12/07

SAMPLES COLLECTED DURING W/E 5/12/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	4
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	5
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 5/7/2007
Date of Discovery:	5/10/07 – 5/16/07
Exceedance Type	Notification

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (5/10/07)	17.55	8	40
Naphthalene (5/10/07)	12.26	6	30
Benzene (5/11/07)	22.09	8	40
Benzene (5/12/07)	8.12	8	40

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 5/7/2007
Date of Discovery:	5/10/07 – 5/16/07
Exceedance Type	Notification & Action

Exceedances Occurred for the Following Parameters:

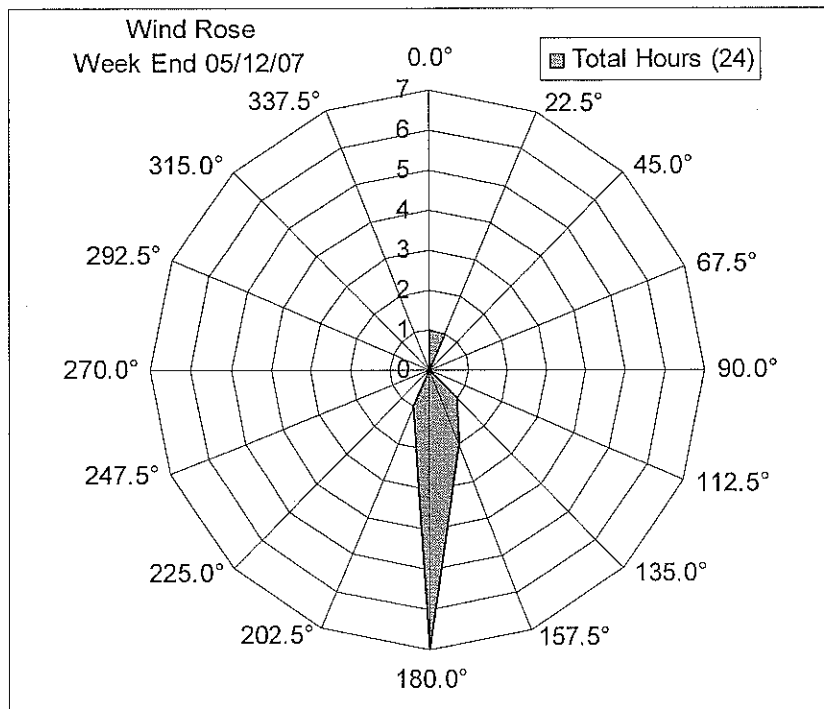
Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (5/10/07)	9.10	8	40
Benzene (5/11/07)	48.74	8	40
Naphthalene (5/11/07)	14.93	6	30
Benzene (5/12/07)	49.06	8	40
Naphthalene (5/12/07)	35.45	6	30

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 5/7/2007
Date of Discovery:	5/10/07 – 5/16/07
Exceedance Type	No Exceedances to Report

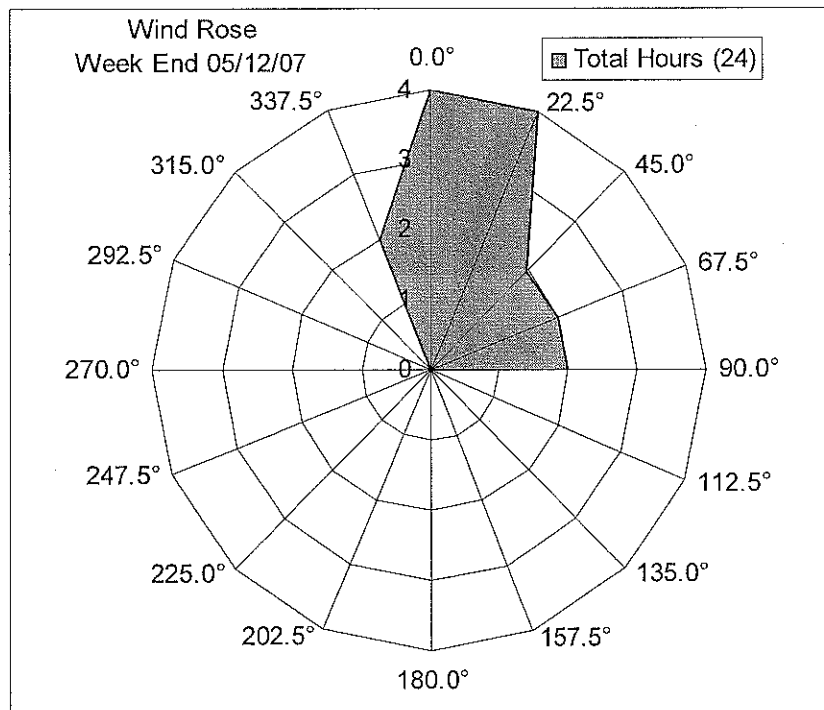
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 5/7/2007
Date of Discovery:	5/10/07 – 5/16/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

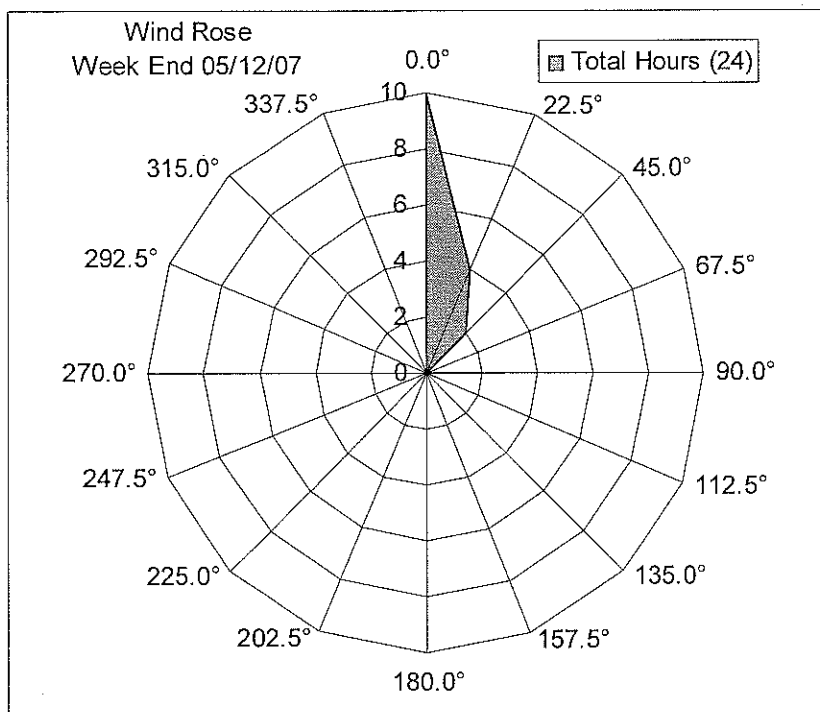
5/7/07 – 5/8/07



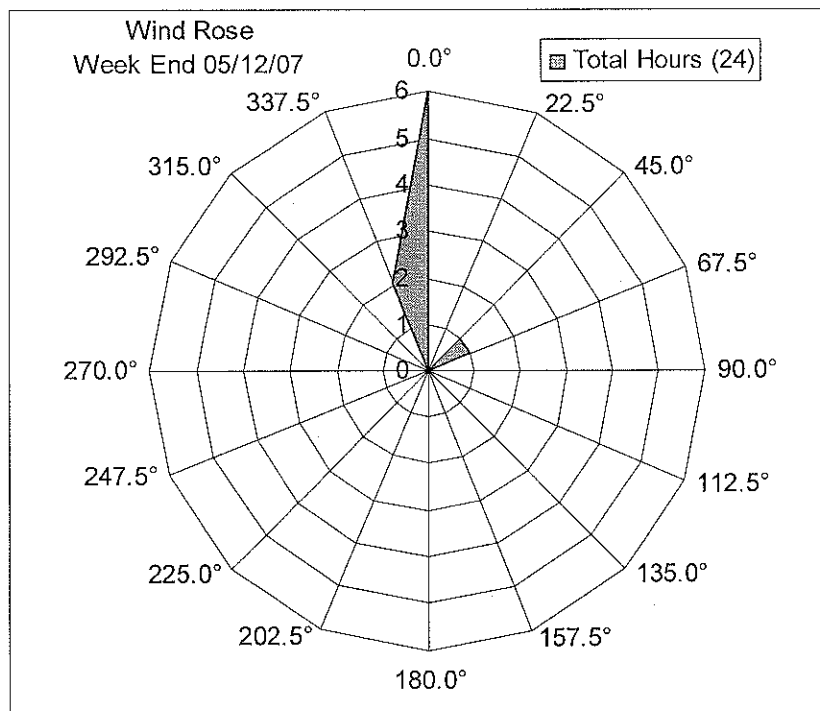
5/8/07 – 5/9/07



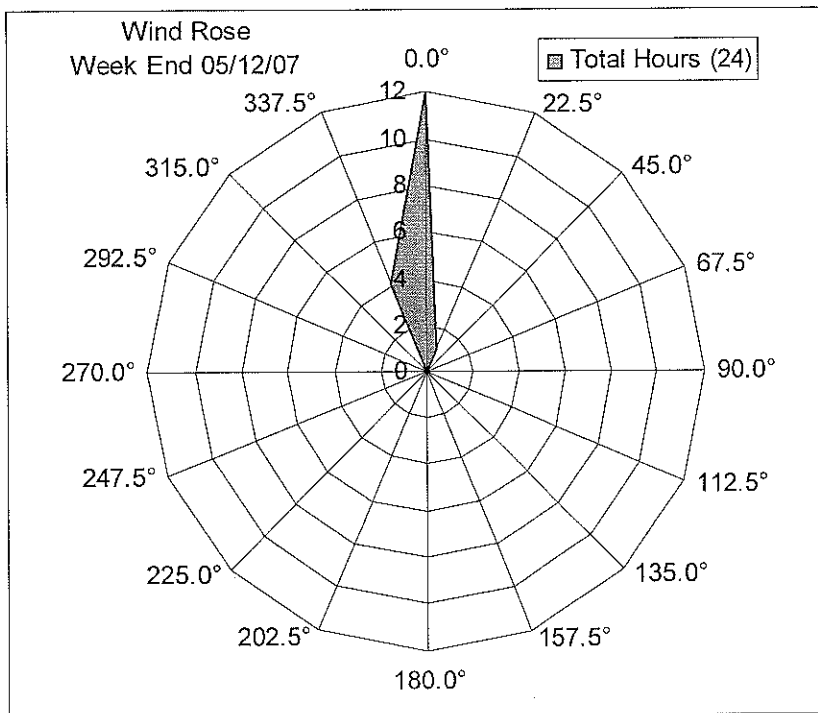
5/9/07 – 5/10/07



5/10/07 – 5/11/07



5/11/07 – 5/12/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
5/7/2007	8:50	9	160	61
5/7/2007	9:50	9	180	66
5/7/2007	11:56	9	190	75
5/7/2007	12:59	9	180	75
5/7/2007	13:59	14	170	79
5/7/2007	14:50	11	170	81
5/7/2007	15:50	11	170	82
5/7/2007	16:50	9	180	84
5/7/2007	17:50	14	170	84
5/7/2007	18:50	11	150	82
5/7/2007	19:50	11	160	81
5/7/2007	20:50	11	170	79
5/7/2007	21:50	14	180	79
5/8/2007	4:45	8	210	66
5/8/2007	6:57	3	VAR	66
5/8/2007	7:55	3	VAR	70
5/8/2007	8:55	3	VAR	72
5/8/2007	9:55	7	360	75
5/8/2007	10:50	9	20	77
5/8/2007	12:50	11	30	77
5/8/2007	13:50	11	50	75
5/8/2007	15:50	14	40	79
5/8/2007	16:50	11	60	75
5/8/2007	17:50	11	60	75
5/8/2007	18:45	11	80	72
5/8/2007	19:45	9	80	73
5/8/2007	20:49	9	70	75
5/8/2007	21:50	0	0	75
5/9/2007	4:50	0	0	66
5/9/2007	5:50	0	0	64
5/9/2007	7:50	5	340	63
5/9/2007	8:55	5	340	63
5/9/2007	9:50	6	30	64
5/9/2007	10:50	9	30	61
5/9/2007	11:50	8	30	61
5/9/2007	12:50	9	60	70
5/9/2007	13:50	9	5	72
5/9/2007	14:45	9	50	70
5/9/2007	15:50	9	30	72
5/9/2007	16:50	9	80	73
5/9/2007	17:50	9	80	77
5/9/2007	18:50	0	0	70
5/9/2007	19:50	3	VAR	66
5/9/2007	20:50	0	0	63
5/9/2007	21:47	0	0	63
5/10/2007	4:50	0	0	57
5/10/2007	5:50	0	0	57
5/10/2007	6:50	0	0	57

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
5/10/2007	7:50	0	0	61
5/10/2007	8:54	0	0	68
5/10/2007	9:57	0	0	75
5/10/2007	10:55	0	0	81
5/10/2007	11:50	7	360	81
5/10/2007	12:53	7	360	81
5/10/2007	13:50	11	60	82
5/10/2007	14:45	9	50	81
5/10/2007	15:50	7	VAR	81
5/10/2007	16:50	7	VAR	79
5/10/2007	17:50	7	VAR	79
5/10/2007	18:40	7	VAR	79
5/10/2007	19:50	7	VAR	75
5/10/2007	20:50	5	VAR	68
5/10/2007	21:50	5	VAR	63
5/11/2007	4:50	0	0	57
5/11/2007	6:56	0	0	61
5/11/2007	8:50	9	330	70
5/11/2007	9:50	11	340	61
5/11/2007	10:50	9	340	57
5/11/2007	11:55	9	350	57
5/11/2007	12:50	9	330	55
5/11/2007	13:50	9	330	63
5/11/2007	14:50	11	350	55
5/11/2007	16:46	14	350	55
5/11/2007	17:45	14	350	55
5/11/2007	18:46	17	350	54
5/11/2007	19:50	14	360	50
5/11/2007	20:48	14	360	50
5/11/2007	21:46	14	360	50
5/12/2007	4:50	9	360	50
5/12/2007	5:50	11	360	50
5/12/2007	6:50	14	10	50
5/12/2007	7:45	11	360	52
5/12/2007	8:47	11	20	55
5/12/2007	10:50	14	10	55

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring directly south of the CAMU continues along Ellsworth Street at 1st Avenue and between 3rd and 4th Avenue.



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

May 25, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
5/5/07	5	10	0

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

May 25, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 5/5/07

SAMPLES COLLECTED DURING W/E 5/5/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	5
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	5
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	5	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	5	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 4/30/2007
Date of Discovery:	5/3/07 – 5/10/07
Exceedance Type	Notification

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (5/1/07)	35.74	8	40
Benzene (5/2/07)	13.32	8	40
Benzene (5/3/07)	17.22	8	40
Benzene (5/4/07)	8.12	8	40
Benzene (5/5/07)	29.57	8	40

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 4/30/2007
Date of Discovery:	5/3/07 – 5/10/07
Exceedance Type	Notification

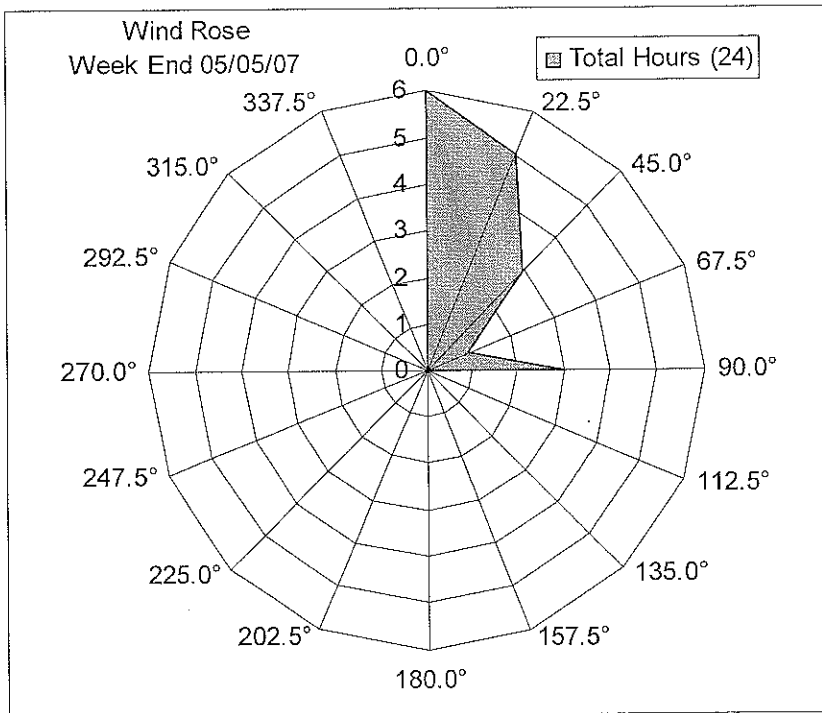
Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (5/1/07)	11.32	8	40
Benzene (5/2/07)	22.61	8	40
Benzene (5/3/07)	39.28	8	40
Naphthalene (5/3/07)	13.91	6	30
Benzene (5/5/07)	21.28	8	40

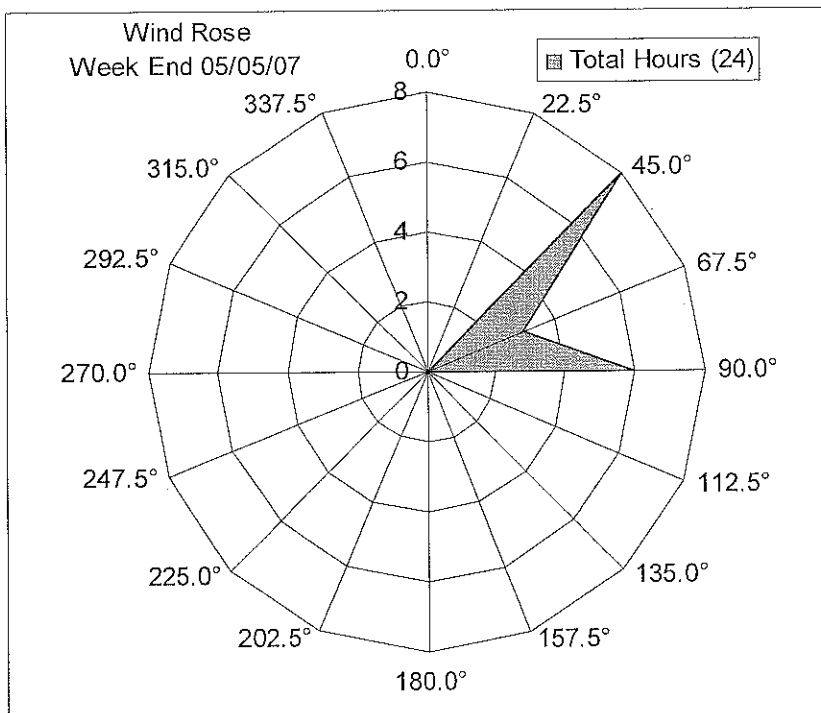
Sample Site:	Grab Sample (Ellsworth and 1 st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 4/30/07
Date of Discovery:	5/3/07 – 5/10/07
Exceedance Type	No Exceedances to Report

Sample Site:	Grab Sample (Ellsworth and in-between 3 rd and 4 th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 4/30/07
Date of Discovery:	5/3/07 – 5/10/07
Exceedance Type	No Exceedances to Report

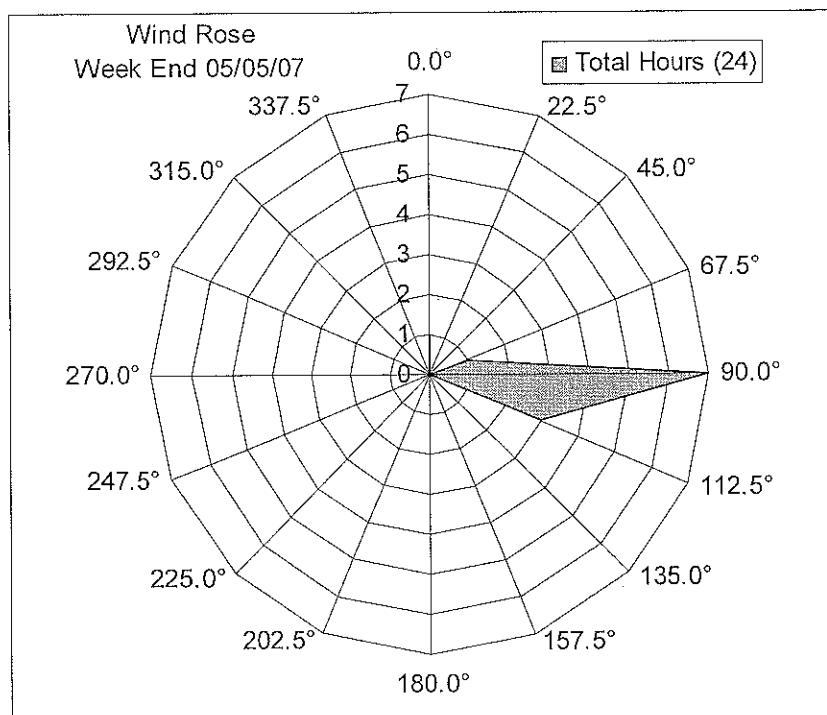
5/2/07 – 5/3/07



5/3/07 – 5/4/07



5/4/07 – 5/5/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
4/30/2007	9:56	9	40	55
4/30/2007	10:50	9	50	61
4/30/2007	11:50	9	30	63
4/30/2007	12:50	9	20	61
4/30/2007	13:55	9	40	61
4/30/2007	14:55	14	60	64
4/30/2007	15:55	11	40	66
4/30/2007	16:50	11	20	59
4/30/2007	17:50	9	30	57
4/30/2007	18:50	9	360	57
5/1/2007	4:50	10	150	57
5/1/2007	5:50	13	170	57
5/1/2007	6:50	9	180	59
5/1/2007	8:45	10	220	70
5/1/2007	9:57	10	220	75
5/1/2007	10:50	11	220	81
5/1/2007	11:50	17	250	
5/1/2007	12:45	17	260	84
5/1/2007	13:50	17	260	88
5/1/2007	14:50	17	250	88
5/1/2007	15:50	11	360	66
5/1/2007	16:50	9	20	63
5/1/2007	17:50	9	20	57
5/1/2007	19:50	7	VAR	54
5/1/2007	20:50	0	0	54
5/1/2007	21:50	0	0	54
5/2/2007	4:50	14	360	48
5/2/2007	6:47	9	20	50
5/2/2007	7:55	10	30	50
5/2/2007	8:55	14	20	50
5/2/2007	9:55	13	30	52
5/2/2007	10:50	13	20	52
5/2/2007	11:50	11	20	54
5/2/2007	12:45	9	20	54
5/2/2007	13:50	14	10	55
5/2/2007	14:50	11	10	55
5/2/2007	16:50	14	20	50
5/2/2007	17:50	14	360	50
5/2/2007	18:50	11	360	48
5/2/2007	20:50	9	350	45
5/2/2007	21:50	11	10	43
5/3/2007	4:50	14	60	54
5/3/2007	5:50	14	90	54
5/3/2007	6:50	9	90	54
5/3/2007	7:50	9	90	57
5/3/2007	8:50	14	50	57
5/3/2007	9:50	11	40	57
5/3/2007	10:49	11	40	61

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
5/3/2007	11:45	9	50	61
5/3/2007	12:50	9	40	61
5/3/2007	13:50	14	40	63
5/3/2007	14:50	9	40	61
5/3/2007	15:50	9	40	61
5/3/2007	17:50	7	40	61
5/3/2007	19:50	7	VAR	61
5/3/2007	20:50	11	80	68
5/3/2007	21:50	11	80	64
5/4/2007	4:50	7	70	55
5/4/2007	5:50	11	70	55
5/4/2007	6:55	11	90	55
5/4/2007	7:50	9	90	57
5/4/2007	8:50	9	100	61
5/4/2007	9:45	9	100	61
5/4/2007	10:55	9	70	66
5/4/2007	11:45	7	VAR	63
5/4/2007	12:50	7	VAR	61
5/4/2007	14:50	11	120	73
5/4/2007	15:48	11	110	75
5/4/2007	16:45	11	100	75
5/4/2007	17:50	14	100	75
5/4/2007	18:50	7	360	63
5/4/2007	19:50	11	100	72
5/4/2007	20:49	14	110	73
5/4/2007	21:45	16	100	70
5/5/2007	4:50	5	VAR	61
5/5/2007	5:50	7	100	61
5/5/2007	6:50	11	90	61
5/5/2007	8:50	5	VAR	61
5/5/2007	10:50	6	VAR	63

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring in residential area continues directly south of the CAMU along Ellsworth Avenue at 2nd Avenue and between 3rd Avenue and 4th Avenue.

US Steel

Review of Acceptable Acute and Intermediate Airborne Concentrations for Benzene

May 2007

ENVIRONMENTAL RESOURCES MANAGEMENT

200 Harry S. Truman Parkway, Suite 400

Annapolis, MD 21401

www.erm.com

INTRODUCTION

Chemically-induced adverse health effects or toxicity is usually characterized by the duration and magnitude of exposure. Long-term exposure to a toxicant is referred to as chronic toxicity. Short-term exposure to a toxicant, typically experienced in higher doses, is known as acute toxicity. However, these health effects are usually minor (e.g., irritation) and reversible. Exposure to a toxicant occurring for a period of greater than acute but less than chronic are referred to as intermediate toxicity. Since the recent releases of benzene at the CAMU have now exceeded a duration of two weeks, intermediate exposure to benzene may be occurring. This report now includes a discussion of intermediate exposures and serves to update the April 3, 2007 document that focused only on acute exposures.

The notification and action levels developed for US Steel's Grand Calumet River Dredging project were developed to protect against chronic toxicity of the various constituents in the river sediments. Exposure levels that do not result in chronic toxic effects are always lower than acute toxicity levels, however, by definition those levels that are protective of chronic exposure (i.e., long-term) are also protective of acute, short-term exposures. Elevated levels of benzene have been detected during the air monitoring for volatile substances, and while US Steel has implemented mitigation measures to address the releases, it was determined that it would be necessary to review acceptable acute and intermediate airborne concentrations. Specifically, what levels have various agencies developed to protect the public health from acute and intermediate exposures with benzene?

ACUTE EXPOSURES

Summary of Available Acceptable Air Concentrations

A number of organizations have developed acceptable levels of chemical substances in air as a measure for acute exposures. As with any chemical substance there are concerns over the potential adverse health effects that may develop from exposure to the general public. This document presents the levels that have been developed to protect the human population, including sensitive individuals, from adverse health effects

due to short-term exposures to benzene. Many of these values have been developed for very short exposures, such as one hour. However, one of the basic principles of toxicology is the recognition that for short-term exposures, concentration multiplied by time is a constant. This is known as Haber's Rule, indicating that 100 microgram per cubic meter ($\mu\text{g}/\text{M}^3$) for one hour would be an equivalent dose as 10 $\mu\text{g}/\text{M}^3$ for 10 hours. Accordingly, many of these guidelines can be converted from the one hour exposure level to longer exposures levels, as long as the exposures remain short-term.

OSHA Permissible Exposure Limits (PELs)

Occupational levels, for the purpose of ensuring worker protection, have been developed by the Occupational Safety and Health Administration (OSHA). OSHA has developed Permissible Exposure Limits (PELs) for use in occupational settings. These PELs represent time-weighted averages that must not be exceeded during any 8-hour workshift of a 40 hour workweek over an exposure duration of 25 years. The OSHA PEL for benzene is 1 part per million (ppm) or 3, 190 $\mu\text{g}/\text{M}^3$.

ATSDR Minimal Risk Levels

Other organizations have developed acceptable air concentrations for various uses. The Agency for Toxic Substances and Disease Registry (ATSDR) has developed Minimal Risk Levels (MRLs) for a number of chemicals. The MRLs are set below levels that, based on current information, might cause adverse health effects in the people most sensitive to such substance-induced effects. Acute MRLs are derived for short-term exposures that may occur over a period of 1 to 14 days. The Intermediate MRLs represent exposures occurring from 14 to 364 days and the chronic MRLs are for exposures that may occur for 365 days or longer.

MRLs are intended to serve as a screening tool to help public health professionals decide if there is a health concern. ATSDR uses a conservative (i.e., protective) approach to address uncertainty consistent with the public health principle of prevention. Although human toxicity data are preferred, MRLs are often based on animal toxicity studies because relevant human studies are lacking. In the absence of evidence to the contrary, ATSDR assumes that humans are more sensitive to the effects of hazardous constituents than animals and that certain persons (e.g., infirmed, elderly, etc.) may be particularly sensitive. Thus, the

resulting MRL may be as much as 100-fold below levels that have been shown to be nontoxic in laboratory animals. Proposed MRLs undergo a rigorous review process which includes reviews by the Health Effects/MRL Workgroup within the ATSDR Division of Toxicology and Environmental Medicine, expert panel peer reviews, and agency-wide MRL Workgroup reviews, with participation from other federal agencies and comments from the public. MRLs developed by ATSDR for various exposures periods for benzene are shown in Table 1.

Temporary Emergency Exposure Limits (TEELs):

The US Department of Energy has developed Temporary Emergency Exposure Limits (TEELs) for short-term exposures to a wide number of chemical substances. The TEEL levels are defined as the threshold concentrations based on endpoints as follows:

- TEEL-0 --The threshold concentration below which most people will experience no adverse health effects.
- TEEL-1 --The maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing more than mild, transient adverse health effects or perceiving a clearly defined objectionable odor.
- TEEL-2 --The maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing or developing irreversible or other serious health effects or symptoms that could impair an individual's ability to take protective action.
- TEEL-3 -- The maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing or developing life-threatening health effects.

The various TEEL values for Benzene are shown in Table 1.

Emergency Response Planning Guidelines (ERPGs)

The American Industrial Hygiene Association (AIHA) has developed Emergency Response Planning Guidelines (ERPGs) for short-term exposures to a number of chemical substances. The ERPGs are defined as an airborne concentration of a substance below which it is predicted that the general population, including susceptible individuals, would

experience no adverse health effects. The ERPGs are defined on concentrations based on endpoints as follows:

- ERPG-1 --The maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing more than mild, transient adverse health effects or perceiving a clearly defined objectionable odor.
- ERPG-2 --The maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing or developing irreversible or other serious health effects or symptoms that could impair an individual's ability to take protective action.
- ERPG-3 --The maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing or developing life-threatening health effects.

The various ERPGs are presented in Table 1.

Acute Exposure Guideline Levels (AEGLs)

Acute Exposure Guideline Levels (AEGLs) are under development by the National Research Council's Committee on Toxicology. The committee has prepared detailed guidelines for developing uniform, meaningful emergency response standards for the general public. The criteria in the guidelines take into account sensitive individuals and are meant to protect nearly all people. The committee has begun putting the guidelines into practice in developing AEGLs for specific chemicals.

- AEGL 1: The airborne concentration of a substance below which it is predicted that the general population, including susceptible individuals, would experience no notable discomfort, irritation, or certain asymptomatic nonsensory effects.
- AEGL 2: The airborne concentration of a substance below which it is predicted that the general population, including susceptible individuals, would experience no irreversible or other serious, long-lasting adverse health effects or an impaired ability to escape.
- AEGL 3: The airborne concentration of a substance below which it is predicted that the general population, including susceptible

individuals, would experience no life-threatening health effects or death.

The various ERPGs are presented in Table 1.

TABLE 1 – BENZENE EXPOSURE GUIDELINES

Exposure Guidelines	Exposure Period	LEVEL (ug/M ³)
ATSDR MRLs		
Acute MRL	1-14 days	28.7 daily avg.
Intermediate MRL	15-365 days	19.1 daily avg.
Chronic MRL	365 and Longer	9.6 daily avg.
TEEL		
TEEL-0	1 Hr	3190
TEEL-1	1 Hr	159,500
TEEL-2	1 Hr	478,500
TEEL-3	1 Hr	3,190,000
ERPG		
ERPG-1	1 Hr	159,500
ERPG-2	1 Hr	478,500
ERPG-3	1 Hr	3,190,000
AEGL		
AEGL-1	1 Hr	165,880
AEGL-1	4 Hr	57,420
AEGL-1	8 Hr	28,710
AEGL-2	1 Hr	2,552,000
AEGL-2	4 Hr	1,276,000
AEGL-2	8 Hr	638,000
AEGL-3	1 Hr	12,760,000
AEGL-3	4 Hr	6,380,000
AEGL-3	8 Hr	3,158,100

As noted in Table 2, below, elevated levels of benzene have been recently detected during the air monitoring for volatile substances. Since these samples were collected at the CAMU and since the previous air modeling has indicated that a four-fold reduction in concentrations will occur between the CAMU and the nearby residences, the proper comparison would be to reduce the average concentration of 42.1 ug/M³ by a factor of 4 (i.e., 10.5 ug/M³). This value can then be compared to the ATSDR intermediate MRL of 19.1 ug/M³, which is the most appropriate because it was developed for exposures occurring for a period in excess of 14 days. It should also be noted that the ATSDR MRL is based on an animal study and incorporates a total uncertainty factor (i.e., safety factor) of 300. In other words the concentration that was shown to cause minimal health effects in animals was 300 times higher. The one high value of 298 divided

by a factor of 4, to account for the modeled dispersion as noted above, (or 74.5 ug/M³) can be compared to the AEGL-1 (8 Hr) of 28,710 divided by 3, to equate to a 24 hour value, or 9,570 ug/M³.

TABLE 2 - COMPARISON TO RECENT BENZENE LEVEL AT THE CAMU

Retrieval Date	Average Daily Benzene Concentration (ug/M ³) ^a	Monthly Average
3/15/2007	297.6	
3/20/2007	29.7	
3/21/2007	92.0	
3/22/2007	26.6	
3/23/2007	110.4	
3/27/2007	9.2	
3/28/2007	120.7	
3/29/2007	125.0	
3/30/2007	86.8	99.7 (based on sampling days)
4/3/2007	11.6	
4/4/2007	11.3	
4/5/2007	16.3	
4/6/2007	52.0	
4/10/2007	11.8	
4/11/2007	29.6	
4/12/2007	18.4	
4/13/2007	9.9	
4/17/2007	34.4	
4/18/2007	51.4	
4/19/2007	70.1	
4/20/2007	27.7	
4/24/2007	8.7	
4/25/2007	34.3	
4/26/2007	38.7	
4/27/2007	24.5	
4/28/2007	21.2	27.7 (based on sampling days)
5/1/2007	19.1	
5/2/2007	19.5	
5/3/2007	31.9	
5/4/2007	4.8	
5/5/2007	24.0	
5/8/2007	1.6	

5/9/2007	3.2	
5/10/2007	13.3	
5/11/2007	35.4	
5/12/2007	35.4	
5/15/2007	0.8	17.2 (based on sampling days)
AVERAGE (To Date)	42.1(based on sampling days)	

^a Average of all three Sampling stations

INTERMEDIATE EXPOSURES

Intermediate exposures occur over a period of time that is not considered to be chronic (i.e., usually longer than a year) but is longer than an acute exposure (i.e., usually limited to less than two weeks). As shown in Table 1, the ATSDR has developed an intermediate MRL for inhalation exposure of 19.1 ug/M³. This represents the concentration of benzene in the air at the receptor location and would not represent the level of benzene at the CAMU. In addition, this intermediate value is protective of exposures to benzene that may occur from 15 days to one year (365 days). Further, the EPA has developed a chronic inhalation Reference Concentration (RfC) for benzene of 30 ug/M³, which is protective of chronic exposures. In addition to the routine 24-hour air monitoring sampling at the CAMU, US Steel collected short-term samples, along 2nd Avenue, in the residential area across from the CAMU. These samples were collected over a time period of about 30 minutes and resulted in an average benzene concentration of about 1.3 ug/M³.

On April 27, 2007, US Steel began taking 24-hour air samples in the residential area, south of the CAMU, and analyzed them for benzene and other constituents. Samples are collected along Ellsworth St; the northernmost located north of 2nd Ave and the southernmost located between 3rd Ave and 4th Ave. The benzene results are presented in Table 3, and indicate that the average benzene concentration has been less than 2 ug/M³. During the development of the Notification and Action Levels for the CAMU, a dispersion factor of 4 was predicted by air modeling as being the difference in airborne concentration between the CAMU and residential area based on metrological conditions. Inspection of the empirical data in Table 2 and Table 3 indicate that the actual dispersion factor in almost all cases was in excess of the factor of 4. The only instance where this was not apparent was when airborne levels were very low and likely consistent with background (see discussion of benzene in the environment).

TABLE 3 BENZENE CONCENTRATIONS AT RESIDENTIAL LOCATIONS

Retrieval Date	Average Daily Benzene Concentration (ug/M ³) ^a	Monthly Average
4/28/2007	2.4	2.4
5/1/2007	2.5	
5/2/2007	2.9	
5/3/2007	1.9	
5/4/2007	0.5	
5/5/2007	1.5	
5/8/2007	1.1	
5/9/2007	2.0	
5/10/2007	2.6	
5/11/2007	3.5	
5/12/2007	4.6	
5/15/2007	0.6	2.2 (To Date)

^a Average of residential Sampling stations

BENZENE IN THE ENVIRONMENT

Benzene is widely distributed in the environment with many common everyday sources. Benzene levels have been measured throughout the United States and indicate that every sample contains detectable levels of benzene. The main sources of benzene in the environment have been identified as mobile sources (motor vehicles). These levels have varied from low ug/M³ levels to higher ug/M³ levels depending on the local activities. An analysis of six states in the Great Lakes region indicated that average outdoor levels were about 3.6 ug/M³. Levels measured in the Chicago region in 1987 indicated levels averaging 11 ug/M³. The levels

detected in the residential areas near the CAMU are consistent with the typical levels reported throughout the United States.

CONCLUSION

In conclusion, the benzene concentrations found at the CAMU do not pose a risk to the public based on either the peak level of 3/15/2007 and acute exposure guidelines or the average level found over the last several weeks when compared to the acute or intermediate guidelines. Both of these levels are well below the levels set by the ATSDR, the EPA or the National Research Council to be protective of the public health for acute or intermediate exposures. Furthermore, the levels measured in the residential area near the CAMU are also far below the guidelines set by these agencies.



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

May 15, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
4/28/07	5	10	2

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in cursive script that reads "Richard L. Menozzi".

Richard L. Menozzi

May 15, 2007
Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 4/28/07

SAMPLES COLLECTED DURING W/E 4/28/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	5	24 hour	7
Resumed Dredging	CAMU Southern Berm ¹	5	24 hour	5
Resumed Dredging	Residential Grab Sample (Bridge Street & 2 nd Avenue)	2	½ hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & 1 st Avenue)	3	24 hour	0
Resumed Dredging	Residential Grab Sample (Ellsworth Street & In-between 3 rd and 4th Avenue)	1	24 hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 4/23/2007
Date of Discovery:	4/26/07 – 5/2/07
Exceedance Type	Notification & Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (4/24/07)	12.02	8	40
Benzene (4/25/07)	17.87	8	40
Benzene (4/26/07)	97.48	8	40
Naphthalene (4/26/07)	9.06	6	30
Benzene (4/27/07)	35.74	8	40
Benzene (4/28/07)	35.74	8	40
Naphthalene (4/28/07)	7.10	6	30

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	24 hour start dates of 4/23/2007
Date of Discovery:	4/26/07 – 5/2/07
Exceedance Type	Notification & Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (4/25/07)	42.56	8	40
Naphthalene (4/25/07)	11.03	6	30
Benzene (4/26/07)	14.35	8	40
Benzene (4/27/07)	19.01	8	40
Benzene (4/28/07)	13.97	8	40

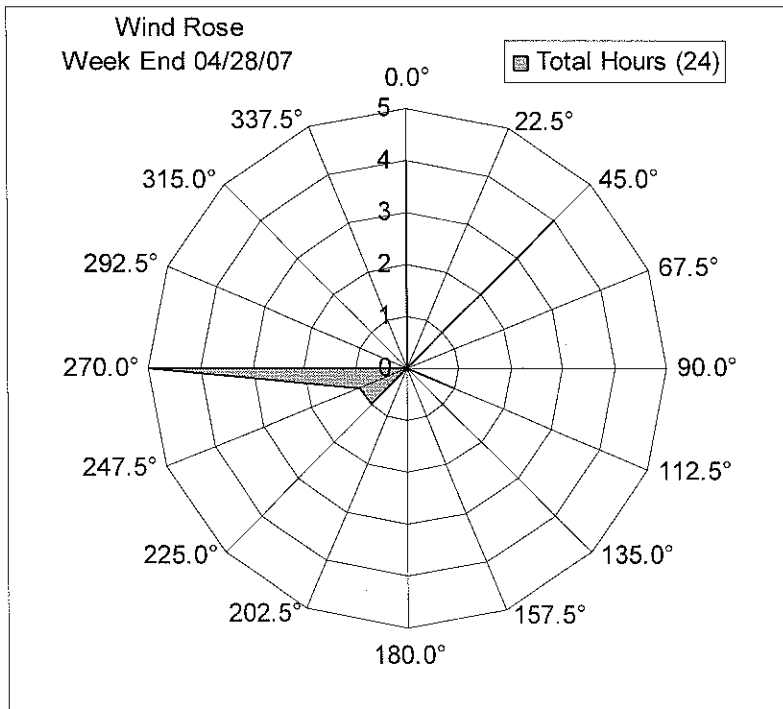
Sample Site:	Residential Grab Sample (2nd Avenue)
Sample Type:	½ hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	2
Sampling Date(s):	½ hour grab Sample at approximately 8: 30 AM 4/23/07 and 4/24/07
Date of Discovery:	4/25/07 – 4/26/07
Exceedance Type	No Exceedances to Report

Sample Site:	Grab Sample (Ellsworth and 1st Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	3
Sampling Date(s):	24 hour start dates of 4/25/07
Date of Discovery:	4/30/07 – 5/2/07
Exceedance Type	No Exceedances to Report

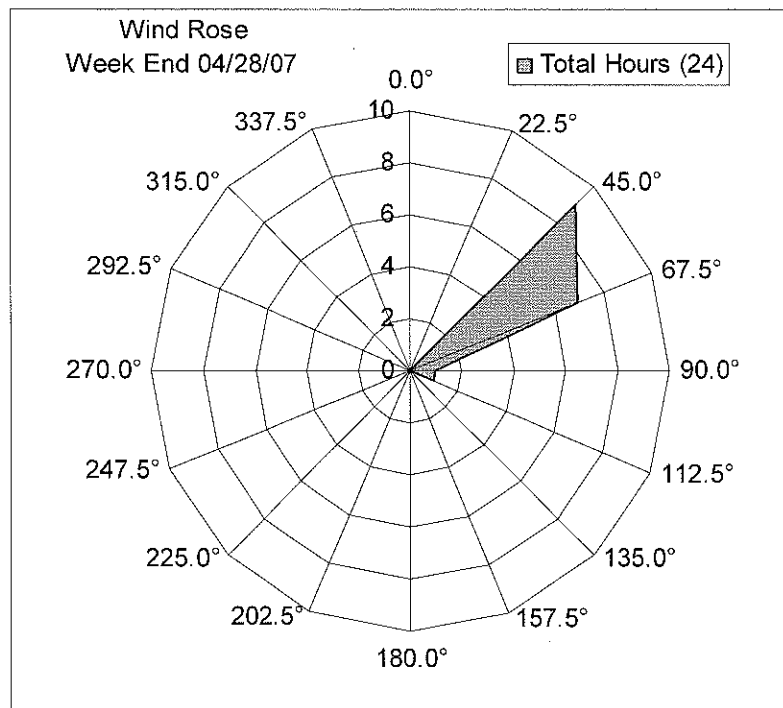
Sample Site:	Grab Sample (Ellsworth and in-between 3rd and 4th Avenue)
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	1
Sampling Date(s):	24 hour start dates of 4/27/07
Date of Discovery:	4/30/07 – 5/2/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

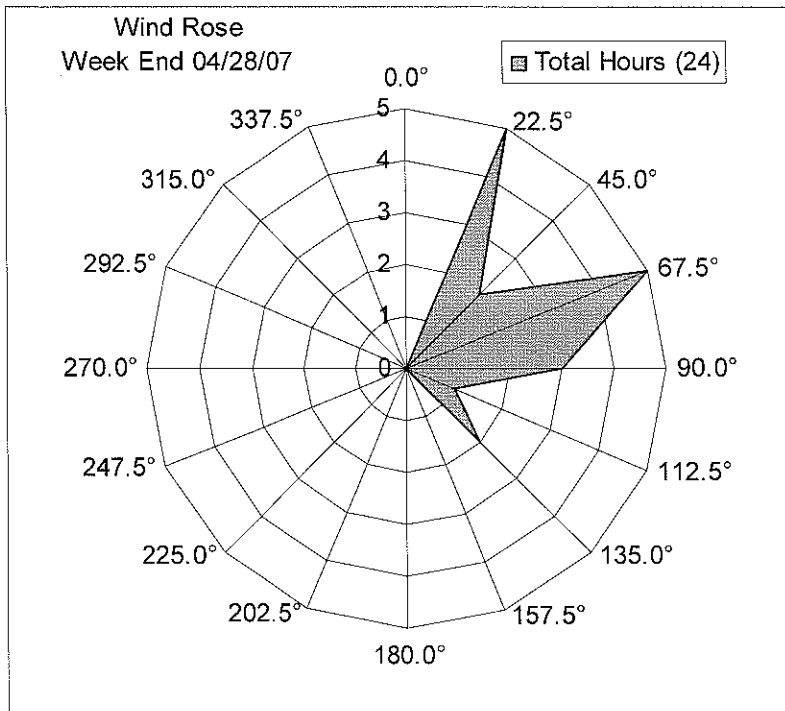
4/23/07 – 4/24/07



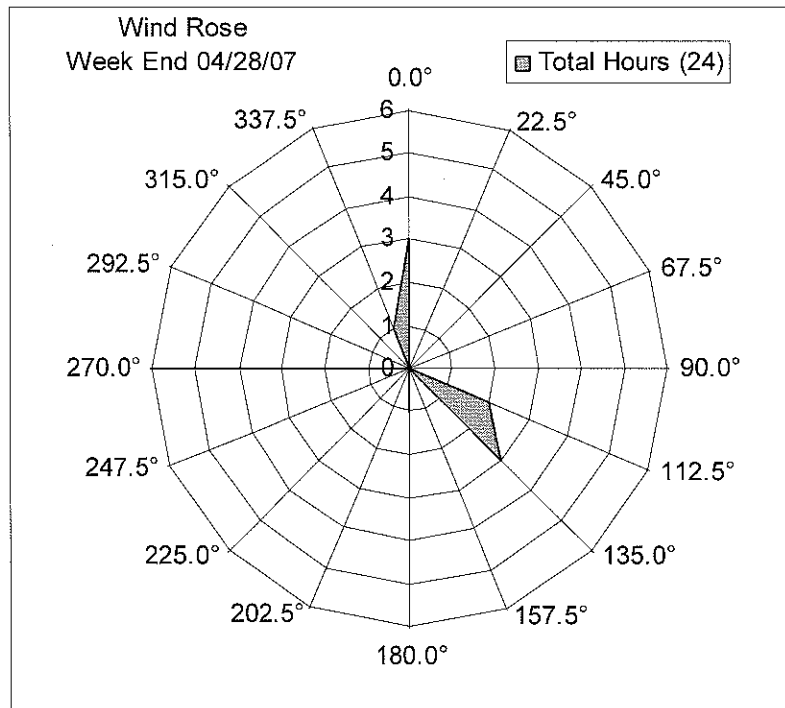
4/24/07 – 4/25/07



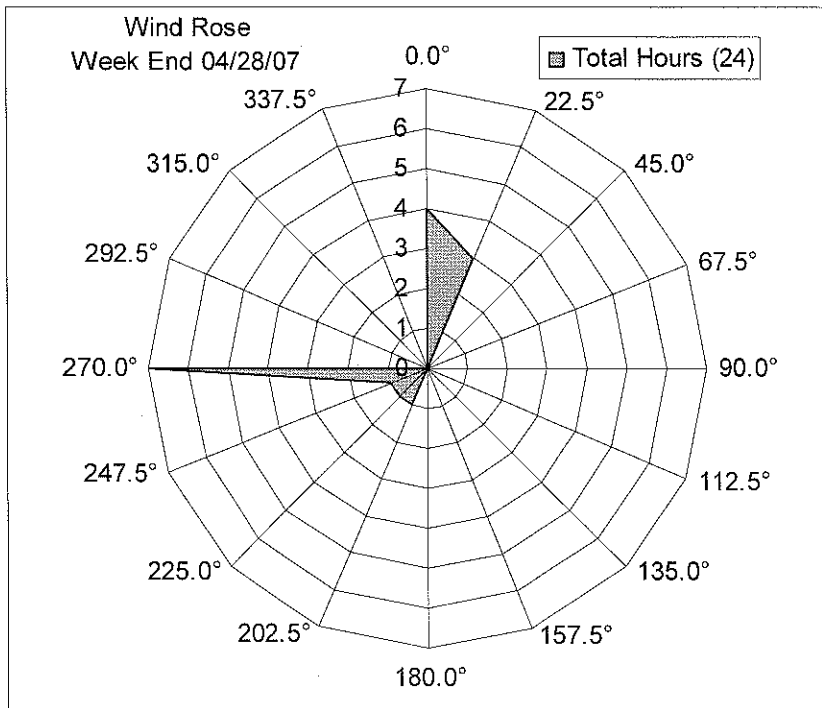
4/25/07 – 4/26/07



4/26/07 – 4/27/07



4/27/07 – 4/28/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
4/23/07	7:50	11	220	70
4/23/07	9:50	21	240	73
4/23/07	10:50	24	260	75
4/23/07	11:50	25	270	75
4/23/07	13:50	18	280	75
4/23/07	14:50	14	280	75
4/23/07	15:50	11	280	75
4/23/07	16:50	23	010	72
4/23/07	17:50	9	040	54
4/23/07	18:50	8	050	55
4/23/07	19:50	8	040	54
4/23/07	20:50	0	000	54
4/23/07	21:50	0	000	55
4/24/07	4:50	5	340	46
4/24/07	5:50	6	010	48
4/24/07	6:57	6	VAR	48
4/24/07	7:50	5	VAR	54
4/24/07	8:50	5	VAR	57
4/24/07	9:50	14	110	63
4/24/07	10:55	8	040	61
4/24/07	11:50	11	040	63
4/24/07	12:50	11	040	63
4/24/07	13:50	11	040	64
4/24/07	14:50	14	040	63
4/24/07	16:50	14	050	57
4/24/07	17:50	9	040	57
4/24/07	18:50	9	070	55
4/24/07	19:50	9	070	54
4/24/07	20:50	11	070	50
4/24/07	21:50	11	040	50
4/25/07	4:50	21	090	52
4/25/07	5:50	20	070	
4/25/07	6:58	21	050	50
4/25/07	7:55	16	070	50
4/25/07	8:50	17	070	50
4/25/07	9:50	11	060	50
4/25/07	10:50	11	070	60
4/25/07	11:50	14	020	52
4/25/07	12:50	9	030	50
4/25/07	13:50	11	030	50
4/25/07	14:50	14	030	48
4/25/07	15:50	14	040	48
4/25/07	16:50	14	040	50
4/25/07	17:50	14	070	50
4/25/07	18:56	14	070	50
4/25/07	19:50	14	080	54
4/25/07	20:50	14	080	54
4/25/07	21:46	11	090	52

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
4/26/07	4:50	8	030	50
4/26/07	5:50	14	080	50
4/26/07	6:50	11	100	50
4/26/07	7:50	8	110	50
4/26/07	8:50	14	130	54
4/26/07	10:45	11	140	57
4/26/07	11:45	11	130	61
4/26/07	12:45	11	120	64
4/26/07	13:47	11	120	70
4/26/07	14:50	11	180	70
4/26/07	15:50	9	260	61
4/26/07	17:51	0	000	64
4/26/07	18:49	0	000	63
4/26/07	19:51	6	350	50
4/26/07	20:50	-1		
4/26/07	21:50	9	340	50
4/27/07	4:50	9	280	50
4/27/07	5:50	9	280	50
4/27/07	6:50	9	280	50
4/27/07	8:50	9	270	50
4/27/07	10:50	11	270	50
4/27/07	11:50	14	270	50
4/27/07	12:54	11	270	50
4/27/07	13:50	11	280	50
4/27/07	14:55	9	280	55
4/27/07	15:47	9	280	55
4/27/07	17:50	7	030	50
4/27/07	18:46	5	030	50
4/27/07	19:50	5	030	50
4/27/07	20:50	0	000	50
4/27/07	21:49	0	000	50
4/28/07	4:50	0	000	41
4/28/07	5:50	0	000	41
4/28/07	6:55	-1		45
4/28/07	7:45	-1		50
4/28/07	8:55	7	250	55
4/28/07	9:55	11	220	61
4/28/07	10:50	11	210	63

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring directly south of the CAMU continues along Ellsworth Street at 1st Avenue and between 3rd and 4th Avenue.



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

May 9, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
4/21/07	5	7	12

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in cursive script that reads "Richard Menozzi".

Richard L. Menozzi

May 9, 2007
Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
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T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 4/21/07

SAMPLES COLLECTED DURING W/E 4/21/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	4	24 hour	5
Resumed Dredging	CAMU Southern Berm ¹	4	24 hour	8
Resumed Dredging	Residential Grab Sample	5	½ hour	0
Resumed Dredging	CAMU Station #2 Grab Sample	3	½ hour	6

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 4/16/2007
Date of Discovery:	4/19/07 – 4/24/07
Exceedance Type	Notification & Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (4/17/07)	45.49	8	40
Benzene (4/18/07)	45.49	8	40
Naphthalene (4/18/07)	20.79	6	30
Benzene (4/19/07)	61.73	8	40
Naphthalene (4/19/07)	40.52	6	30

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 4/16/2007
Date of Discovery:	4/19/07 – 4/24/07
Exceedance Type	Notification & Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (4/17/07)	28.92	8	40
Naphthalene (4/17/07)	8.08	6	30
Benzene (4/18/07)	54.36	8	40
Naphthalene (4/18/07)	24.41	6	30
Benzene (4/19/07)	74.37	8	40
Naphthalene (4/19/07)	94.17	6	30
Benzene (4/20/07)	38.18	8	40
Naphthalene (4/20/07)	24.10	6	30

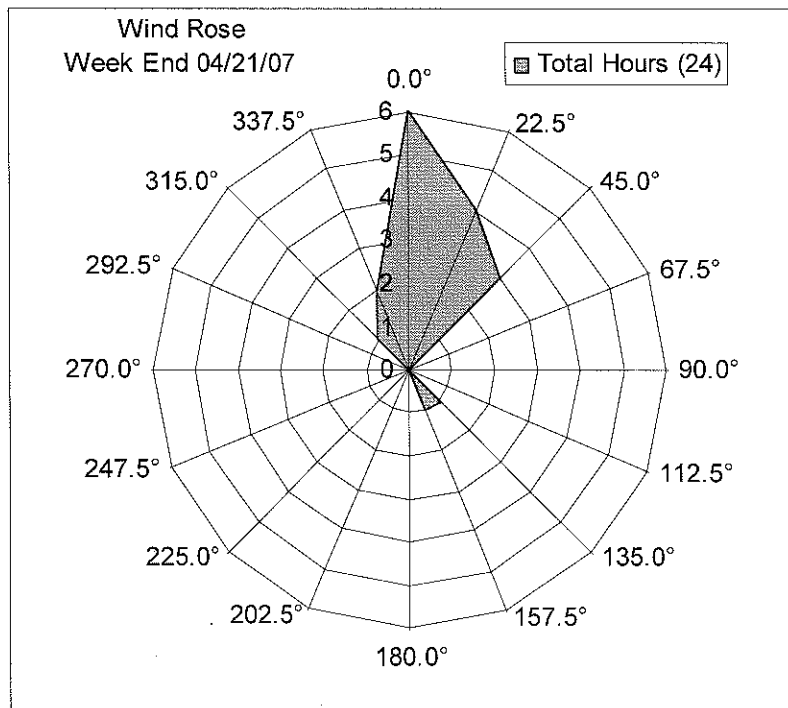
Sample Site:	Residential Grab Sample (2nd Avenue)
Sample Type:	½ hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	½ hour grab Sample at approximately 7: 45 AM 4/16/07 through 4/20/07
Date of Discovery:	4/19/07 – 4/24/07
Exceedance Type	No Exceedances to Report

Sample Site:	Grab Sample CAMU Station 2
Sample Type:	½ hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	3
Sampling Date(s):	½ hour grab Sample on 4/16/07 (7:50), 4/18/07 (7:50), and 4/19/07 (10:21)
Date of Discovery:	4/19/07 – 4/24/07
Exceedance Type	Notification & Action

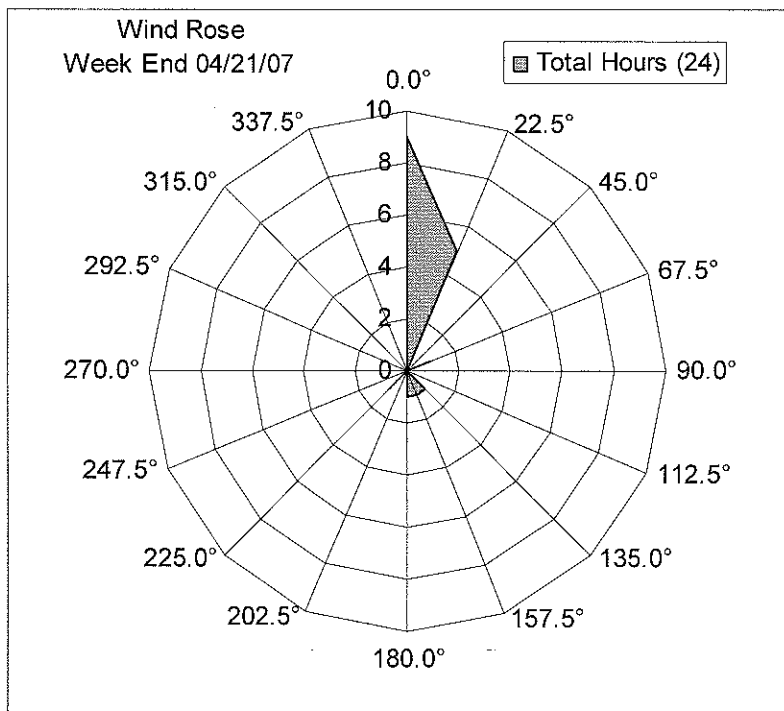
Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (4/16/07)	45.49	8	40
Naphthalene (4/16/07)	7.46	6	30
Benzene (4/18/07)	191.70	8	40
Naphthalene (4/18/07)	325.20	6	30
Benzene (4/19/07)	142.96	8	40
Benzene (4/19/07)	101.29	8	40

Meteorological Conditions during Event(s):

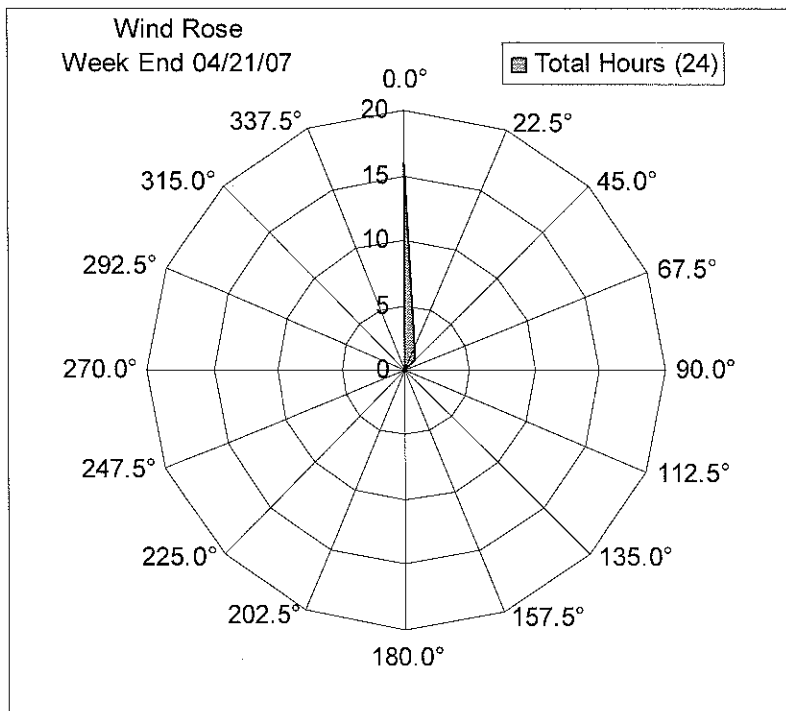
4/16/07 – 4/17/07



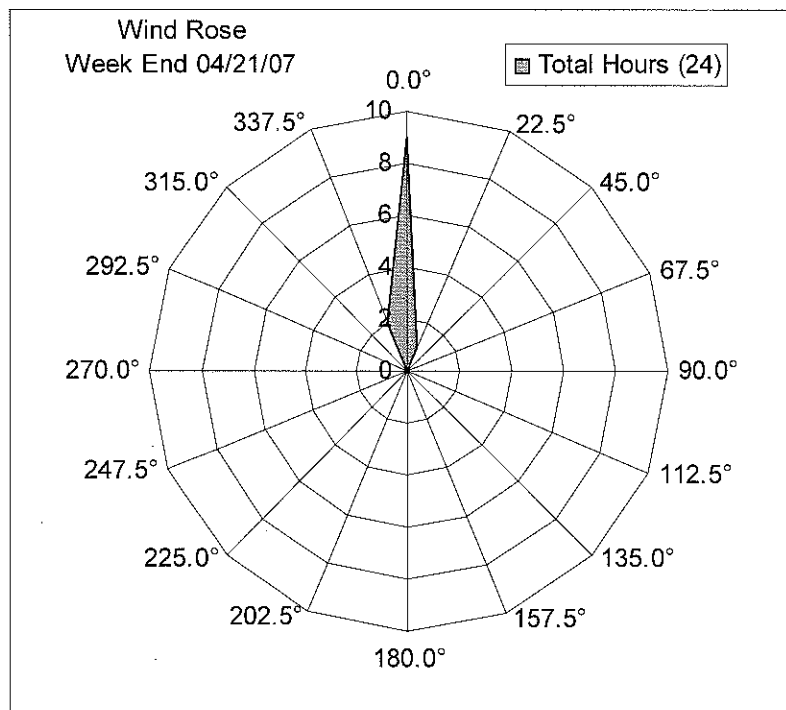
4/17/07 – 4/18/07



4/18/07 – 4/19/07



4/19/07 – 4/20/07



Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
4/16/07	7:47	11	320	46
4/16/07	8:45	11	340	50
4/16/07	9:45	11	340	50
4/16/07	10:45	16	350	52
4/16/07	11:55	16	350	54
4/16/07	12:55	16	010	52
4/16/07	13:55	14	020	54
4/16/07	14:50	11	020	54
4/16/07	15:50	9	040	55
4/16/07	16:50	9	030	55
4/16/07	17:50	14	040	55
4/16/07	18:50	9	040	52
4/16/07	19:50	8	020	46
4/16/07	20:50	0	000	41
4/16/07	21:50	0	000	41
4/17/07	4:45	6	VAR	36
4/17/07	5:50	6	VAR	36
4/17/07	6:50	6	VAR	43
4/17/07	7:50	6	VAR	--
4/17/07	8:45	6	VAR	52
4/17/07	9:45	10	140	59
4/17/07	10:48	10	150	66
4/17/07	11:50	11	180	70
4/17/07	12:50	11	230	73
4/17/07	13:50	7	VAR	75
4/17/07	14:50	14	060	57
4/17/07	15:48	11	020	52
4/17/07	16:50	11	020	52
4/17/07	17:50	11	010	50
4/17/07	18:46	11	360	48
4/17/07	19:50	14	360	45
4/17/07	20:50	11	360	45
4/17/07	21:50	14	350	45
4/18/07	4:50	7	020	41
4/18/07	5:50	11	020	41
4/18/07	6:50	13	360	43
4/18/07	7:50	13	360	45
4/18/07	8:55	11	020	48
4/18/07	9:50	11	010	50
4/18/07	10:50	11	360	46
4/18/07	11:50	11	360	50
4/18/07	12:50	11	360	48
4/18/07	13:50	11	360	50
4/18/07	14:50	11	360	50
4/18/07	15:48	11	350	50
4/18/07	16:49	11	350	48
4/18/07	17:55	-1	--	--
4/18/07	18:50	14	350	41

Date	Time	Wind Speed (MPH)	Wind Degrees	Temperature
4/18/07	19:50	14	350	43
4/18/07	20:50	11	350	43
4/18/07	21:53	14	350	43
4/19/07	4:50	14	040	43
4/19/07	5:50	9	030	43
4/19/07	6:50	8	020	43
4/19/07	7:45	9	010	45
4/19/07	8:50	11	010	45
4/19/07	9:50	11	010	45
4/19/07	10:50	11	010	48
4/19/07	11:53	14	020	50
4/19/07	12:54	9	360	52
4/19/07	13:52	11	350	52
4/19/07	14:59	14	340	55
4/19/07	15:50	11	350	54
4/19/07	16:50	11	360	52
4/19/07	17:50	11	010	50
4/19/07	19:50	11	330	45
4/19/07	20:50	6	VAR	43
4/19/07	21:45	5	VAR	43
4/20/07	04:50	7	VAR	39
4/20/07	05:50	0	000	37
4/20/07	06:50	0	000	39
4/20/07	08:50	0	000	55
4/20/07	09:50	5	VAR	61
4/20/07	10:50	5	VAR	59

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU
3. Air monitoring on 2nd Avenue directly south of the CAMU continues



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

May 4, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
4/14/07	5	8	2

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

May 4, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
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J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 4/14/07

SAMPLES COLLECTED DURING W/E 4/14/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	4	24 hour	6
Resumed Dredging	CAMU Southern Berm ¹	4	24 hour	4
Resumed Dredging	Residential Grab Sample	5	½ hour	0
Resumed Dredging	CAMU Station #2 Grab Sample	1	½ hour	0

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 4/9/2007
Date of Discovery:	4/13/07 – 4/17/07
Exceedance Type	Notification and Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (4/10/07)	27.94	8	40
Benzene (4/11/07)	58.49	8	40
Naphthalene (4/11/07)	24.52	6	30
Benzene (4/12/07)	30.87	8	40
Naphthalene (4/12/07)	33.05	6	30
Benzene (4/13/07)	9.10	8	40

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 4/9/2007
Date of Discovery:	4/13/07 – 4/17/07
Exceedance Type	Notification

Exceedances Occurred for the Following Parameters:

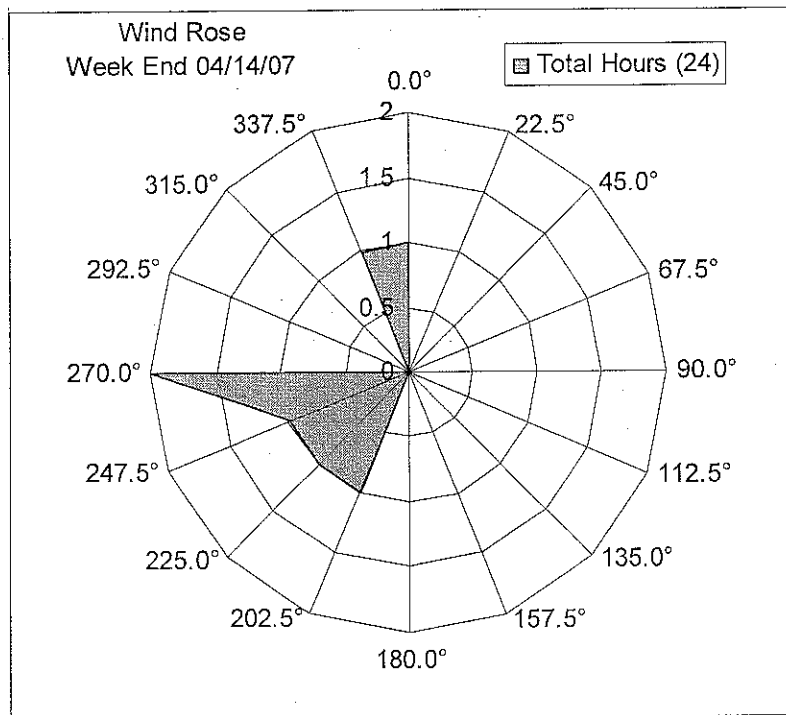
Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (4/11/07)	15.24	8	40
Benzene (4/12/07)	12.14	8	40
Benzene (4/13/07)	10.35	8	40
Naphthalene (4/13/07)	6.53	6	30

Sample Site:	Residential Grab Sample (2nd Avenue)
Sample Type:	½ hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	½ hour grab Sample at approximately 7: 45 AM 4/9/07 through 4/13/07
Date of Discovery:	4/13/07 – 4/17/07
Exceedance Type	No Exceedances to Report

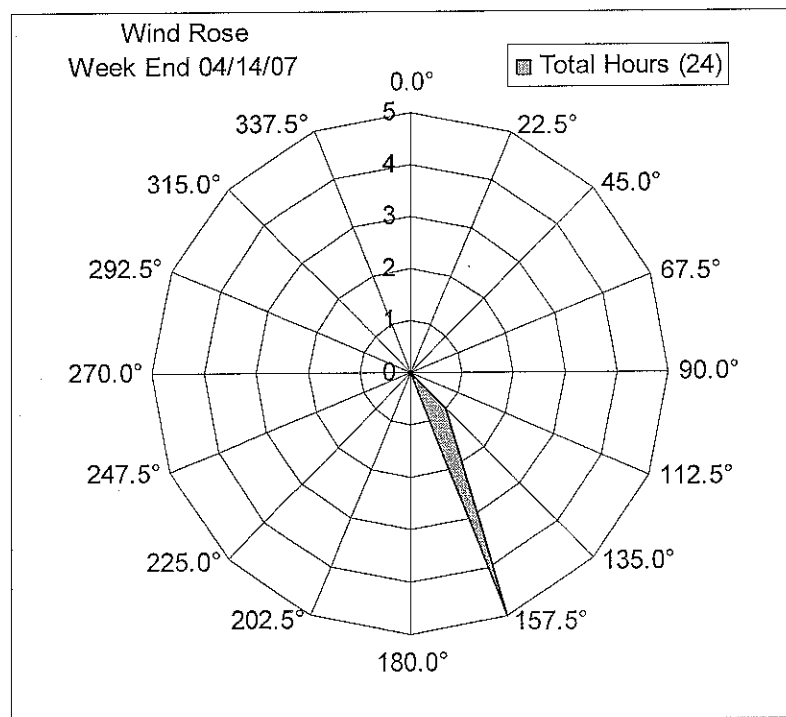
Sample Site:	Grab Sample CAMU Station 2
Sample Type:	½ hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	1
Sampling Date(s):	½ hour grab Sample at approximately 7: 55 AM 4/12/07
Date of Discovery:	4/16/07
Exceedance Type	No Exceedances to Report

Meteorological Conditions during Event(s):

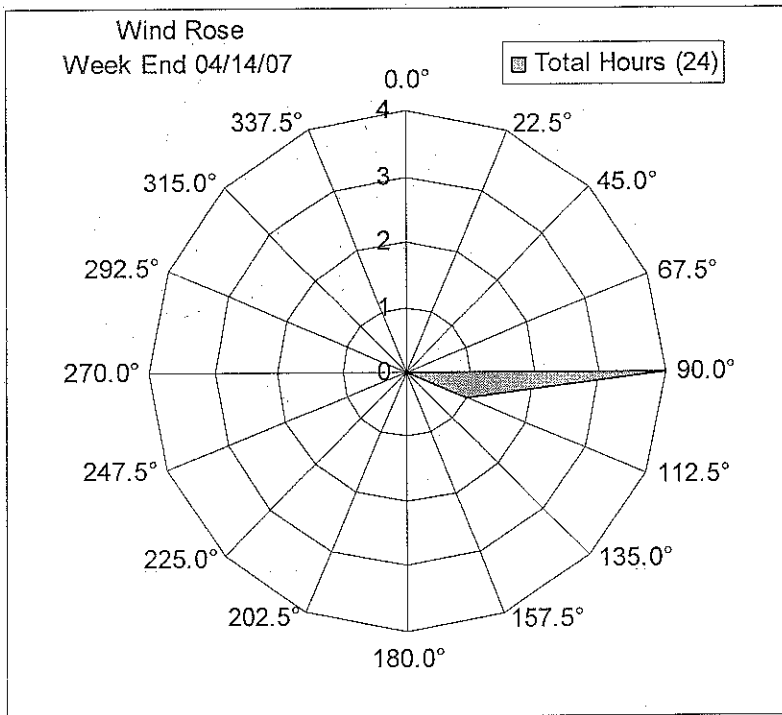
4/9/07 – 4/10/07



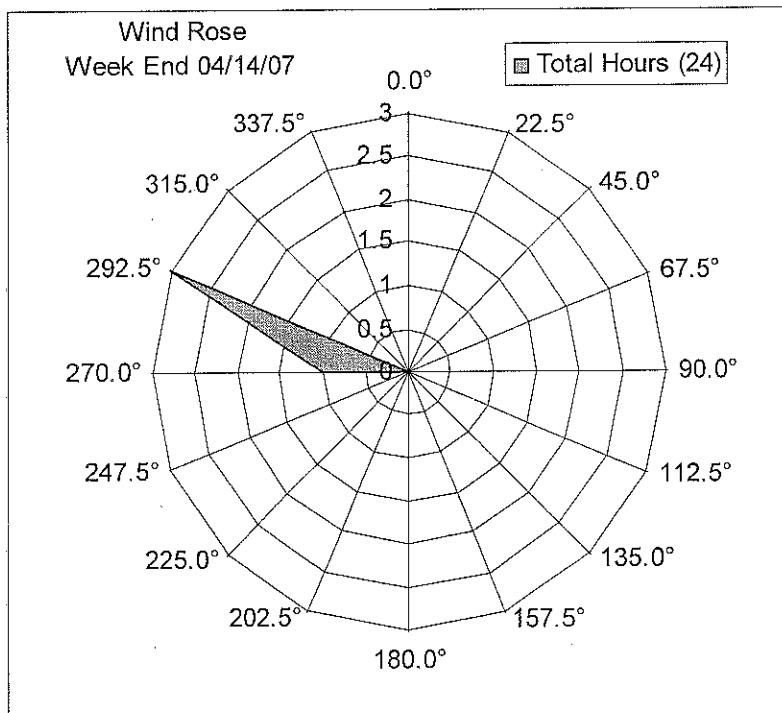
4/10/07 – 4/11/07



4/11/07 – 4/12/07



4/12/07 – 4/13/07



Date/Time	WS (MPH)	WD (deg)	Temp (F)
4/9/2007 11:00	N/A	220	N/A
4/9/2007 12:00	N/A	260	N/A
4/9/2007 13:00	N/A	210	N/A
4/9/2007 14:00	N/A	330	N/A
4/9/2007 15:00	N/A	250	N/A
4/9/2007 18:00	N/A	260	N/A
4/9/2007 20:00	N/A	0	N/A
4/10/2007 5:00	N/A	150	N/A
4/10/2007 6:00	N/A	150	N/A
4/10/2007 7:00	N/A	160	N/A
4/10/2007 9:00	N/A	150	N/A
4/10/2007 7:00	N/A	160	N/A
4/10/2007 9:00	N/A	150	N/A
4/10/2007 10:00	N/A	150	N/A
4/10/2007 11:00	N/A	150	N/A
4/10/2007 12:00	N/A	150	N/A
4/10/2007 13:00	N/A	140	N/A
4/10/2007 14:00	N/A	130	N/A
4/10/2007 15:00	N/A	150	N/A
4/10/2007 16:00	N/A	90	N/A
4/10/2007 17:00	N/A	60	N/A
4/10/2007 18:00	N/A	80	N/A
4/10/2007 19:00	N/A	60	N/A
4/10/2007 20:00	N/A	110	N/A
4/10/2007 21:00	N/A	110	N/A
4/10/2007 22:00	N/A	110	N/A
4/11/2007 5:00	N/A	90	N/A
4/11/2007 7:00	N/A	90	N/A
4/11/2007 8:00	N/A	90	N/A
4/11/2007 9:00	N/A	100	N/A

Date/Time	WS (MPH)	WD (deg)	TEMP (MPH)
4/11/2007 7:00	N/A	90.0	N/A
4/11/2007 8:00	N/A	90.0	N/A
4/11/2007 9:00	N/A	100.0	N/A
4/11/2007 10:00	N/A	110.0	N/A
4/11/2007 11:00	N/A	100.0	N/A
4/11/2007 11:59	N/A	100.0	N/A
4/11/2007 12:59	N/A	100.0	N/A
4/11/2007 13:59	N/A	110.0	N/A
4/11/2007 14:59	N/A	120.0	N/A
4/11/2007 15:59	N/A	110.0	N/A
4/11/2007 16:59	N/A	100.0	N/A
4/11/2007 17:59	N/A	100.0	N/A
4/11/2007 18:59	N/A	90.0	N/A
4/11/2007 19:59	N/A	80.0	N/A
4/12/2007 5:59	N/A	250.0	N/A
4/12/2007 6:59	N/A	320.0	N/A
4/12/2007 7:59	N/A	290.0	N/A
4/12/2007 8:59	N/A	280.0	N/A
4/12/2007 6:00	N/A	320	N/A
4/12/2007 8:00	N/A	290	N/A
4/12/2007 9:00	N/A	280	N/A
4/12/2007 10:00	N/A	290	N/A
4/12/2007 11:00	N/A	300	N/A
4/12/2007 12:00	N/A	280	N/A
4/12/2007 13:00	N/A	280	N/A
4/12/2007 14:00	N/A	280	N/A
4/12/2007 15:00	N/A	300	N/A
4/12/2007 16:00	N/A	280	N/A
4/12/2007 17:00	N/A	280	N/A
4/12/2007 18:00	N/A	290	N/A
4/12/2007 19:00	N/A	280	N/A
4/12/2007 21:00	N/A	270	N/A
4/12/2007 22:00	N/A	270	N/A
4/13/2007 5:00	N/A	270	N/A
4/13/2007 6:00	N/A	270	N/A
4/13/2007 7:00	N/A	280	N/A
4/13/2007 8:00	N/A	280	N/A

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU
3. Air monitoring on 2nd Avenue directly south of the CAMU continues



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

April 19, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
4/7/07	5	9	2

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

April 19, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 4/7/07

SAMPLES COLLECTED DURING W/E 4/7/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	4	24 hour	4
Resumed Dredging	CAMU Southern Berm ¹	4	24 hour	4
Resumed Dredging	Residential Grab Sample	5	½ hour	0
Resumed Dredging	CAMU Station #2 Grab Sample	2	½ hour	3

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 4/2/2007
Date of Discovery:	4/5/07 – 4/10/07
Exceedance Type	Notification and Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (4/3/07)	16.57	8	40
Benzene (4/4/07)	28.59	8	40
Naphthalene (4/4/07)	17.06	6	30
Benzene (4/6/07)	14.62	8	40

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 4/2/2007
Date of Discovery:	4/5/07 – 4/10/07
Exceedance Type	Notification and Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (4/3/07)	9.098	8	40
Benzene (4/5/07)	21.93	8	40
Benzene (4/6/07)	70.67	8	40
Naphthalene (4/6/07)	6.797	6	30

Sample Site:	Residential Grab Sample (2nd Avenue)
Sample Type:	½ hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	5
Sampling Date(s):	Approximately 7:45 AM 4/2/07 – 4/6/07
Date of Discovery:	4/4/07 – 4/10/07
Exceedance Type	No Exceedances to Report

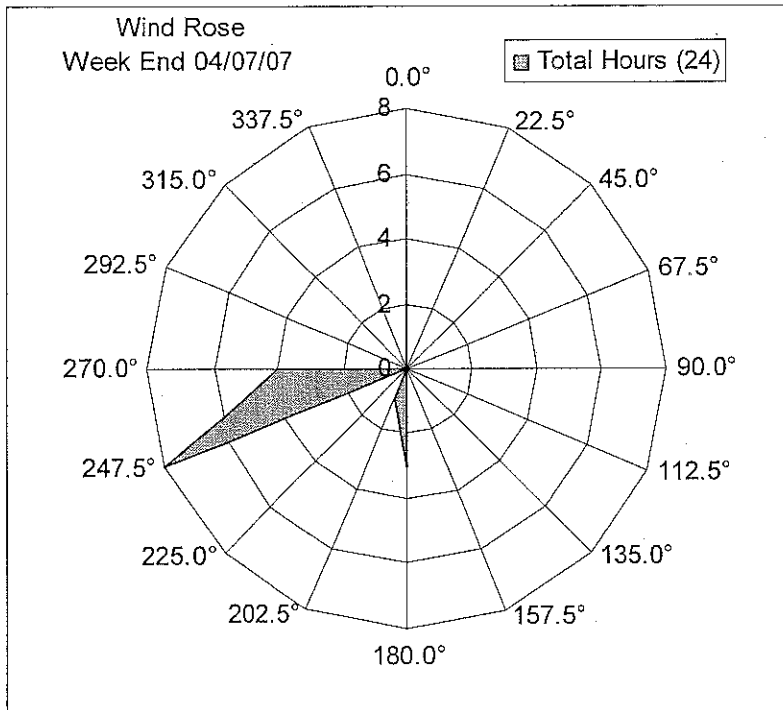
Sample Site:	Grab Sample CAMU Station 2
Sample Type:	½ hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	2
Sampling Date(s):	Approximately 7:55 AM 4/4/07 and 4/6/07
Date of Discovery:	4/6/07 and 4/10/07
Exceedance Type	Notification and Action

Exceedances Occurred for the Following Parameters:

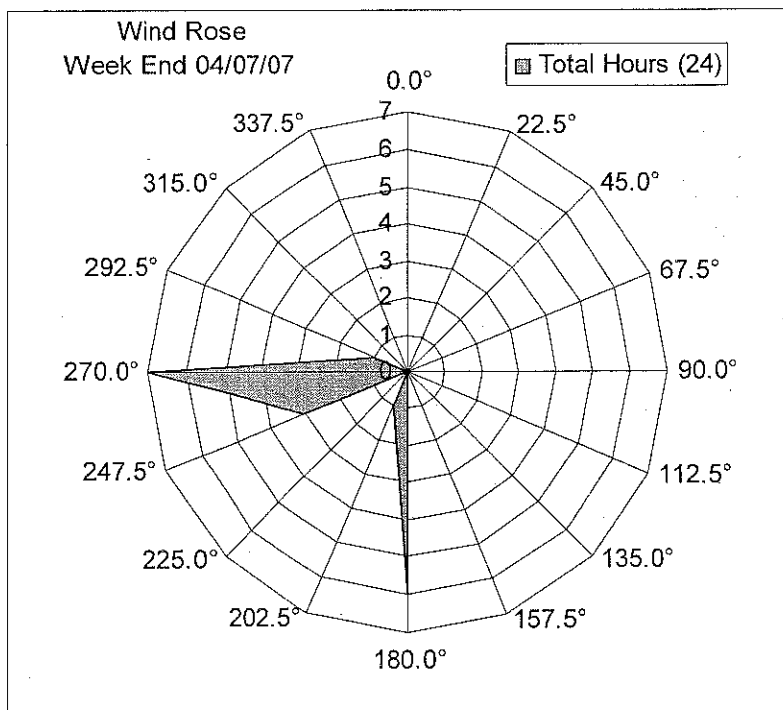
Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (4/5/07)	18.52	8	40
Benzene (4/6/07)	77.98	8	40
Naphthalene (4/6/07)	7.997	6	30

Meteorological Conditions during Event(s):

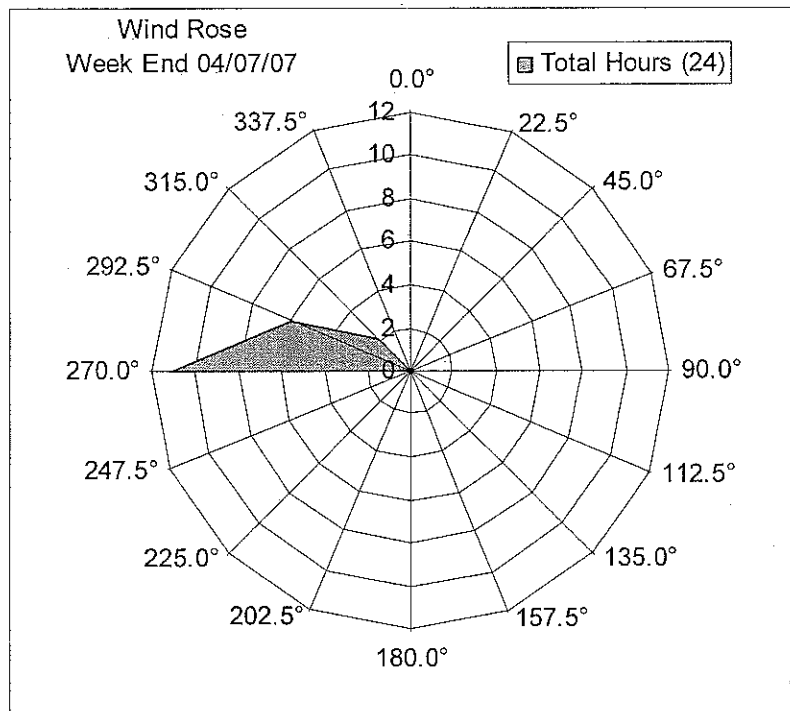
4/2/07 – 4/3/07



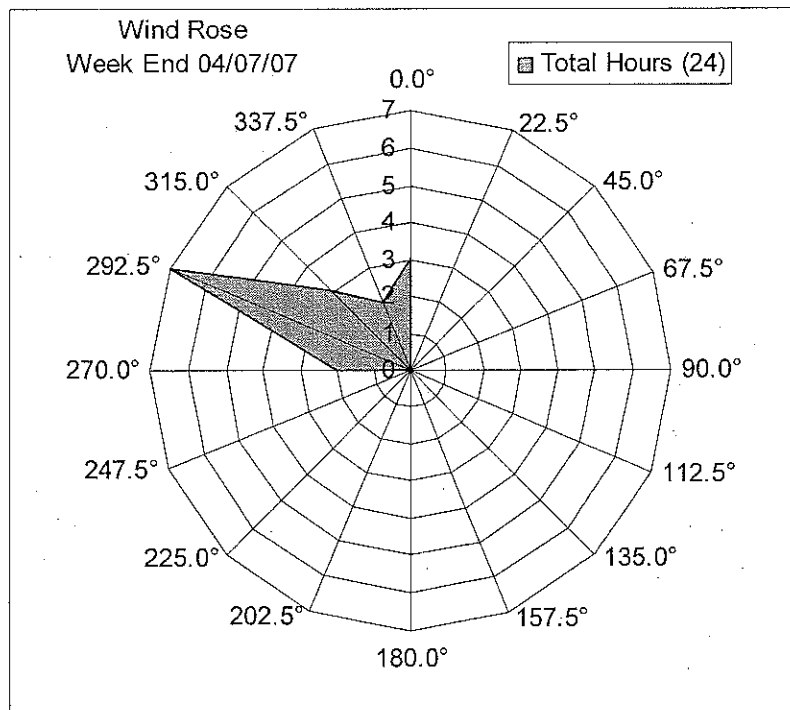
4/3/07 – 4/4/07



4/4/07 – 4/5/07



4/5/07 – 4/6/07



Date/Time	WS (MPH)	WD (deg)	Temp (F)
4/2/2007 5:00	N/A	240	N/A
4/2/2007 6:00	N/A	240	N/A
4/2/2007 7:00	N/A	250	N/A
4/2/2007 8:00	N/A	250	N/A
4/2/2007 9:00	N/A	270	N/A
4/2/2007 10:00	N/A	240	N/A
4/2/2007 11:00	N/A	250	N/A
4/2/2007 12:00	N/A	250	N/A
4/2/2007 13:00	N/A	250	N/A
4/2/2007 14:00	N/A	250	N/A
4/2/2007 15:00	N/A	270	N/A
4/2/2007 16:00	N/A	260	N/A
4/2/2007 17:00	N/A	270	N/A
4/2/2007 20:00	N/A	0	N/A
4/2/2007 21:00	N/A	0	N/A
4/3/2007 5:00	N/A	170	N/A
4/3/2007 6:00	N/A	180	N/A
4/3/2007 7:00	N/A	170	N/A
4/3/2007 8:00	N/A	200	N/A
4/3/2007 9:00	N/A	240	N/A
4/3/2007 10:00	N/A	240	N/A
4/3/2007 11:00	N/A	180	N/A
4/3/2007 12:00	N/A	180	N/A
4/3/2007 13:00	N/A	180	N/A
4/3/2007 14:00	N/A	180	N/A
4/3/2007 15:00	N/A	190	N/A
4/3/2007 16:00	N/A	250	N/A
4/3/2007 17:00	N/A	260	N/A
4/3/2007 18:00	N/A	240	N/A
4/3/2007 19:00	N/A	270	N/A
4/3/2007 21:00	N/A	260	N/A
4/3/2007 22:00	N/A	270	N/A
4/4/2007 5:00	N/A	290	N/A
4/4/2007 6:00	N/A	280	N/A
4/4/2007 7:00	N/A	270	N/A
4/4/2007 9:00	N/A	270	N/A
4/4/2007 10:00	N/A	270	N/A
Date/Time	WS (MPH)	WD (deg)	Temp (F)
4/4/2007 11:00	N/A	270	N/A
4/4/2007 12:00	N/A	290	N/A
4/4/2007 13:00	N/A	270	N/A
4/4/2007 15:00	N/A	270	N/A
4/4/2007 16:00	N/A	280	N/A

4/4/2007 17:00	N/A	280	N/A
4/4/2007 18:00	N/A	280	N/A
4/4/2007 19:00	N/A	280	N/A
4/4/2007 20:00	N/A	290	N/A
4/4/2007 21:00	N/A	290	N/A
4/4/2007 22:00	N/A	280	N/A
4/5/2007 5:00	N/A	320	N/A
4/5/2007 6:00	N/A	310	N/A
4/5/2007 7:00	N/A	290	N/A
4/5/2007 8:00	N/A	300	N/A
4/5/2007 9:00	N/A	290	N/A
4/5/2007 10:00	N/A	280	N/A
4/5/2007 11:00	N/A	290	N/A
4/5/2007 12:00	N/A	300	N/A
4/5/2007 13:00	N/A	300	N/A
4/5/2007 14:00	N/A	280	N/A
4/5/2007 15:00	N/A	320	N/A
4/5/2007 16:00	N/A	320	N/A
4/5/2007 17:00	N/A	350	N/A
4/5/2007 19:00	N/A	360	N/A
4/5/2007 21:00	N/A	360	N/A
4/6/2007 5:00	N/A	320	N/A
4/6/2007 6:00	N/A	340	N/A
4/6/2007 7:00	N/A	340	N/A
4/6/2007 8:00	N/A	300	N/A
4/6/2007 9:00	N/A	300	N/A

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU
3. Air monitoring on 2nd Avenue directly south of the CAMU continues



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

April 16, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
3/31/07	4	5	6

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

April 16, 2007
Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 3/31/07

SAMPLES COLLECTED DURING W/E 3/31/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Resumed Dredging	CAMU Station 1	4	24 hour	6
Resumed Dredging	CAMU Southern Berm ¹	4	24 hour	3
Resumed Dredging	Residential Grab Sample	4	½ hour	0
Resumed Dredging	CAMU Station #2 Grab Sample	1	½ hour	2

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 3/26/2007
Date of Discovery:	3/29/07 – 4/3/07
Exceedance Type	Notification and Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (3/27/07)	13.97	8	40
Benzene (3/28/07)	289.18	8	40
Naphthalene (3/28/07)	49.05	6	30
Benzene (3/29/07)	266.43	8	40
Benzene (3/30/07)	194.95	8	40
Naphthalene (3/30/07)	6.397	6	30

¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 3/26/2007
Date of Discovery:	3/29/07 – 4/3/07
Exceedance Type	Notification and Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (3/28/07)	36.39	8	40
Benzene (3/29/07)	54.23	8	40
Benzene (3/30/07)	32.72	8	40

Sample Site:	Residential Grab Sample (2 nd Avenue)
Sample Type:	½ hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	Approximately 10:45 AM 3/27 – 3/30/2007
Date of Discovery:	3/22/07 – 3/27/07
Exceedance Type	No Exceedances to Report

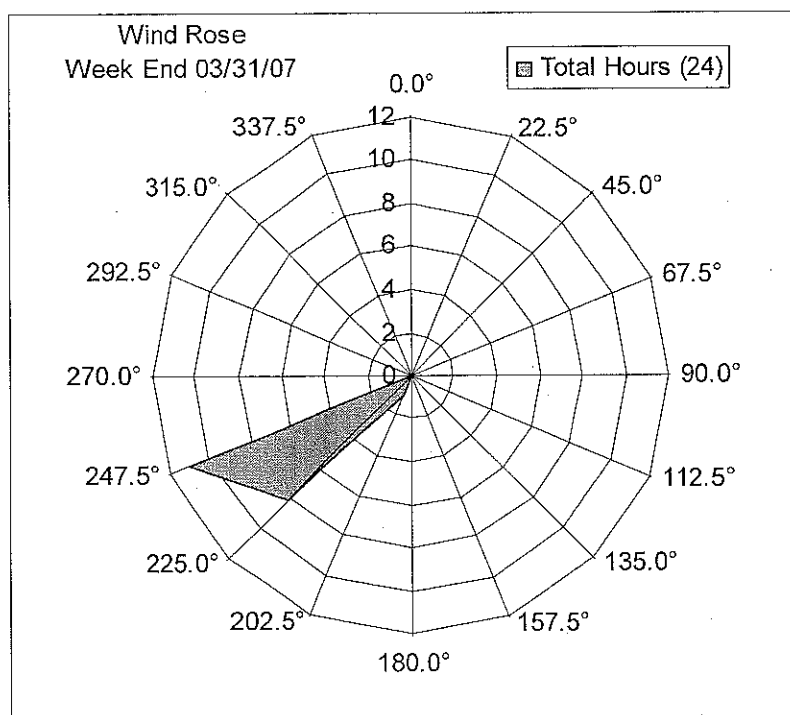
Sample Site:	Grab Sample CAMU Station 2
Sample Type:	½ hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	1
Sampling Date(s):	3/30/07 (10:54 – 11:54)
Date of Discovery:	4/3/07
Exceedance Type	Notification and Action

Exceedances Occurred for the Following Parameters:

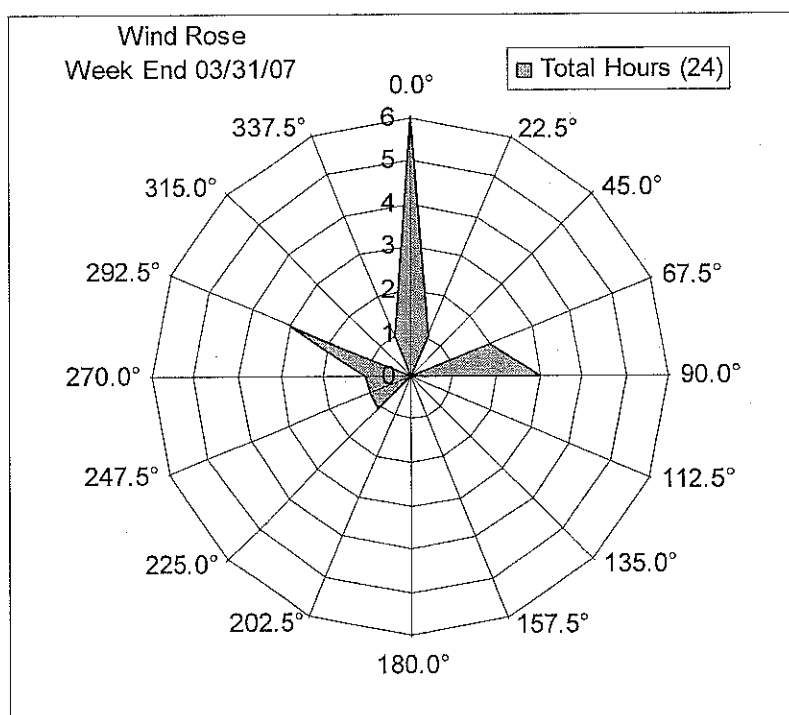
Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (3/30/07)	198.199	8	40
Naphthalene (3/30/07)	8.53	6	30

Meteorological Conditions during Event(s):

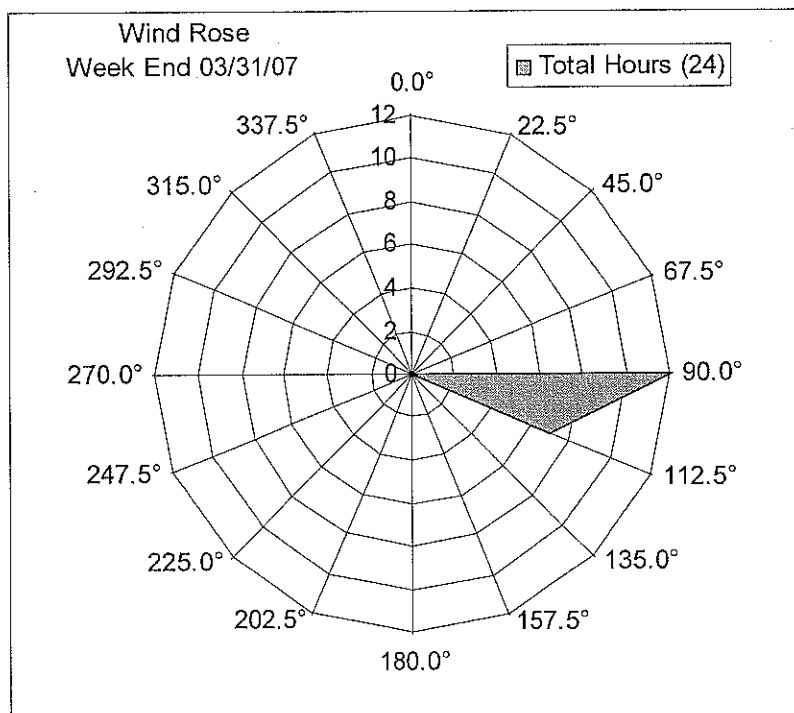
3/26/07 – 3/27/07



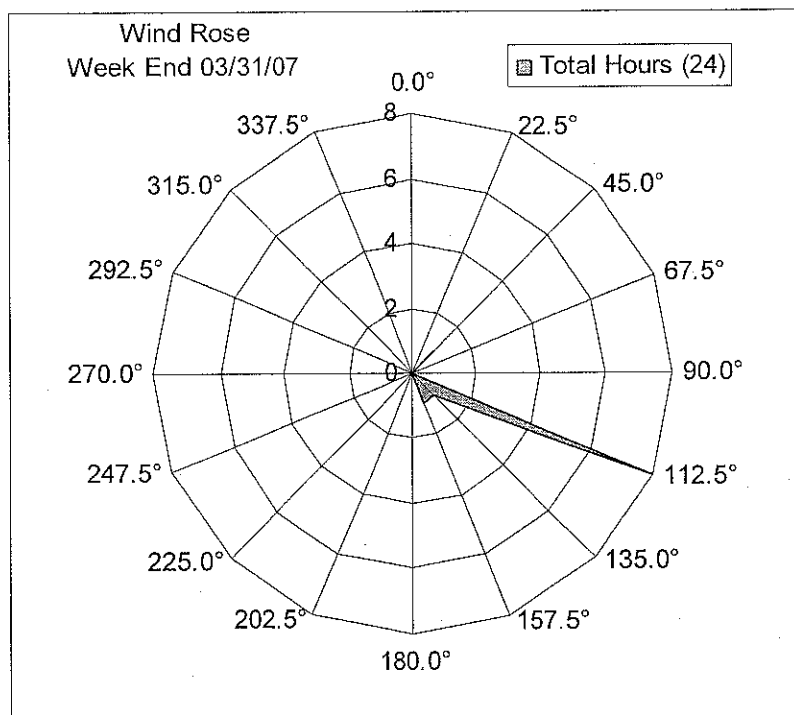
3/27/07 – 3/28/07



3/28/07 – 3/29/07



3/29/07 – 3/30/07



Date/Time	WS (MPH)	WD (deg)	Temp (F)
3/26/2007 7:00	N/A	220	N/A
3/26/2007 10:00	N/A	240	N/A
3/26/2007 11:00	N/A	250	N/A
3/26/2007 12:00	N/A	250	N/A
3/26/2007 13:00	N/A	220	N/A
3/26/2007 14:00	N/A	230	N/A
3/26/2007 15:00	N/A	240	N/A
3/26/2007 17:00	N/A	240	N/A
3/26/2007 18:00	N/A	240	N/A
3/26/2007 19:00	N/A	240	N/A
3/26/2007 20:00	N/A	240	N/A
3/26/2007 21:00	N/A	230	N/A
3/26/2007 22:00	N/A	230	N/A
3/27/2007 5:00	N/A	210	N/A
3/27/2007 6:00	N/A	220	N/A
3/27/2007 7:00	N/A	220	N/A
3/27/2007 8:00	N/A	220	N/A
3/27/2007 9:00	N/A	240	N/A
3/27/2007 10:00	N/A	240	N/A
3/27/2007 11:00	N/A	240	N/A
3/27/2007 10:00	N/A	220	N/A
3/27/2007 11:00	N/A	240	N/A
3/27/2007 12:00	N/A	250	N/A
3/27/2007 13:00	N/A	250	N/A
3/27/2007 14:00	N/A	220	N/A
3/27/2007 15:00	N/A	230	N/A
3/27/2007 17:00	N/A	240	N/A
3/27/2007 18:00	N/A	240	N/A
3/27/2007 19:00	N/A	240	N/A
3/27/2007 20:00	N/A	240	N/A
3/27/2007 21:00	N/A	240	N/A
3/27/2007 22:00	N/A	230	N/A
3/28/2007 5:00	N/A	230	N/A
3/28/2007 6:00	N/A	210	N/A
3/28/2007 7:00	N/A	220	N/A
3/28/2007 8:00	N/A	220	N/A
3/28/2007 10:00	N/A	220	N/A
3/28/2007 11:00	N/A	240	N/A
3/28/2007 14:00	N/A	240	N/A
3/28/2007 10:00	N/A	240	N/A
3/28/2007 11:00	N/A	100	N/A
3/28/2007 14:00	N/A	100	N/A
3/28/2007 15:00	N/A	100	N/A

Date/Time	WS (MPH)	WD (deg)	Temp (F)
3/28/2007 16:00	N/A	100	N/A
3/28/2007 17:00	N/A	100	N/A
3/28/2007 18:00	N/A	100	N/A
3/28/2007 19:00	N/A	100	N/A
3/28/2007 20:00	N/A	100	N/A
3/28/2007 21:00	N/A	90	N/A
3/28/2007 22:00	N/A	110	N/A
3/29/2007 5:00	N/A	110	N/A
3/29/2007 6:00	N/A	110	N/A
3/29/2007 7:00	N/A	100	N/A
3/29/2007 8:00	N/A	100	N/A
3/29/2007 9:00	N/A	100	N/A
3/29/2007 10:00	N/A	110	N/A
3/29/2007 11:00	N/A	120	N/A
3/29/2007 12:00	N/A	110	N/A
3/29/2007 10:00	N/A	110	N/A
3/29/2007 11:00	N/A	120	N/A
3/29/2007 12:00	N/A	110	N/A
3/29/2007 13:00	N/A	150	N/A
3/29/2007 14:00	N/A	130	N/A
3/29/2007 15:00	N/A	110	N/A
3/29/2007 16:00	N/A	40	N/A
3/29/2007 17:00	N/A	120	N/A
3/29/2007 18:00	N/A	110	N/A
3/29/2007 19:00	N/A	120	N/A
3/29/2007 20:00	N/A	120	N/A

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU
3. Air monitoring on 2nd Avenue directly south of the CAMU continues



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

April 10, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
3/24/07	4	6	5

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in black ink that reads "Richard L. Menozzi".

Richard L. Menozzi

April 10, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker
P. Campbell, Environ

AIR MONITORING EXCEEDANCE REPORT
WEEK ENDING 3/24/07

SAMPLES COLLECTED DURING W/E 3/24/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Dewatering	CAMU Station 1	4	24 hour	6
Dewatering	CAMU Southern Berm ¹	4	24 hour	5

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 3/19/2007
Date of Discovery:	3/22/07 – 3/27/07
Exceedance Type	Notification and Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (3/20/07)	38.99	8	40
Benzene (3/21/07)	21.77	8	40
Benzene (3/22/07)	48.74	8	40
Naphthalene (3/22/07)	53.31	6	30
Benzene (3/23/07)	259.93	8	40
Naphthalene (3/23/07)	79.97	6	30

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	4
Sampling Date(s):	24 hour start dates of 3/19/2007
Date of Discovery:	3/22/07 – 3/27/07
Exceedance Type	Notification and Action

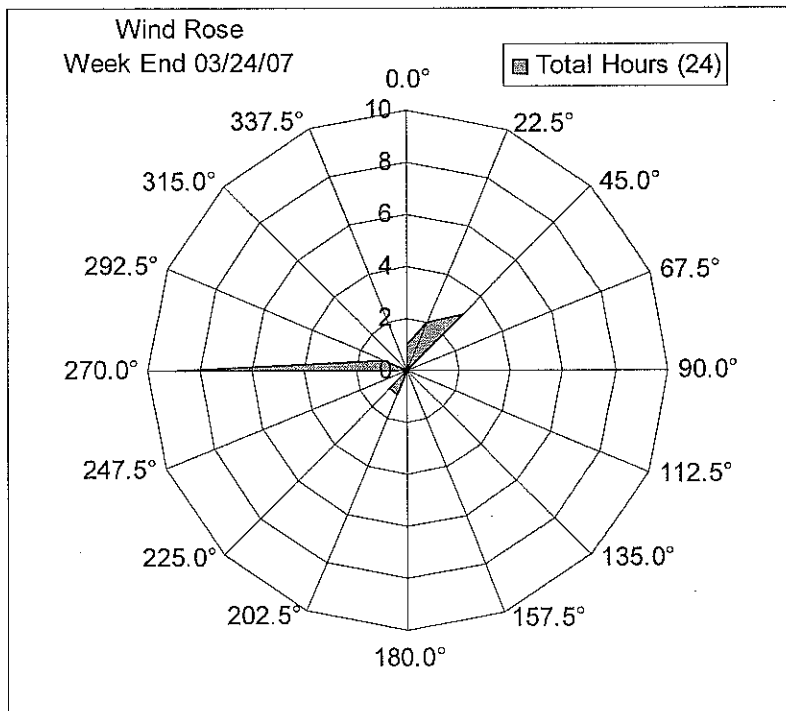
Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (3/20/07)	25.02	8	40
Benzene (3/21/07)	127.14	8	40
Naphthalene (3/21/07)	11.06	6	30
Benzene (3/23/07)	35.68	8	40
Naphthalene (3/23/07)	11.25	6	30

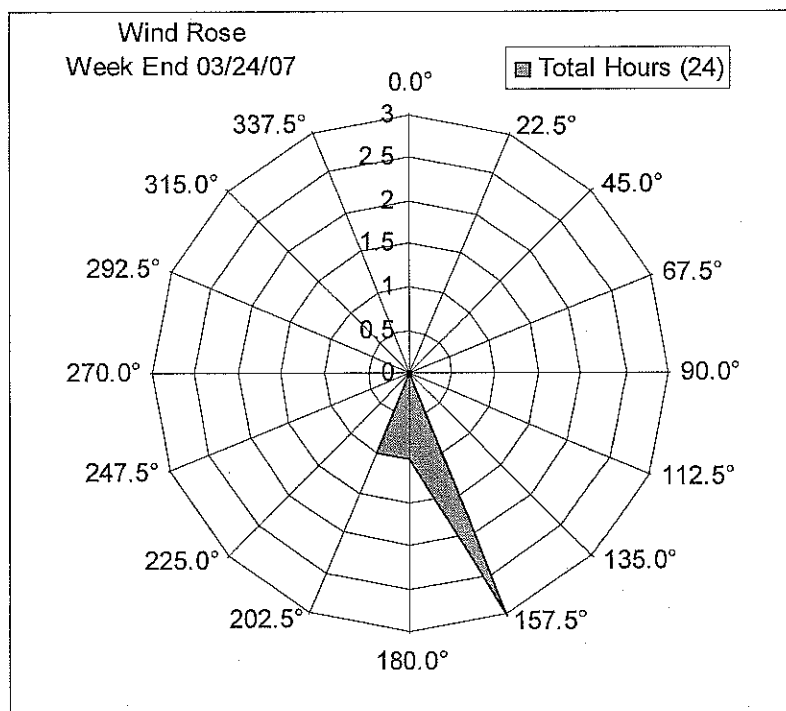
¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Meteorological Conditions during Event(s):

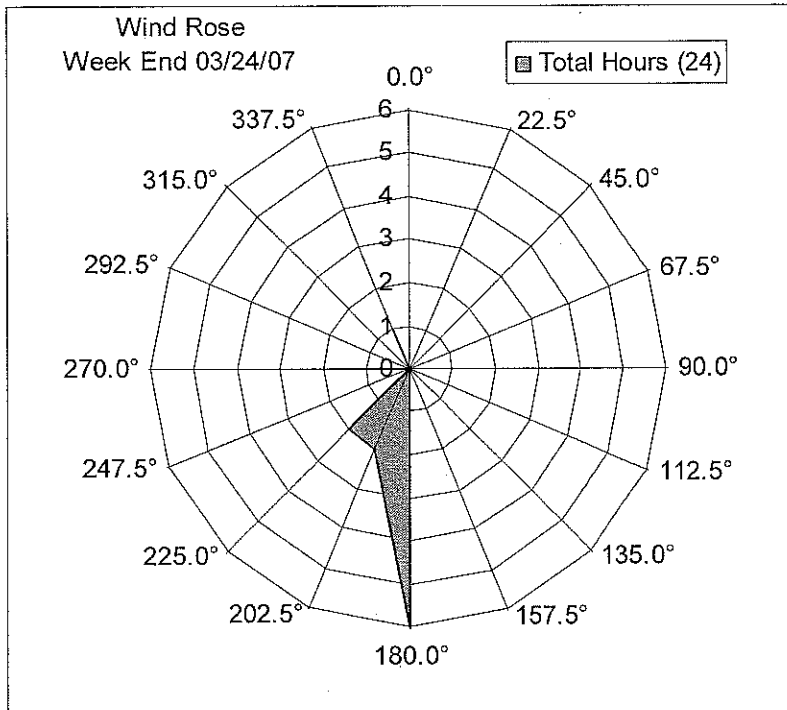
3/19/07 – 3/20/07



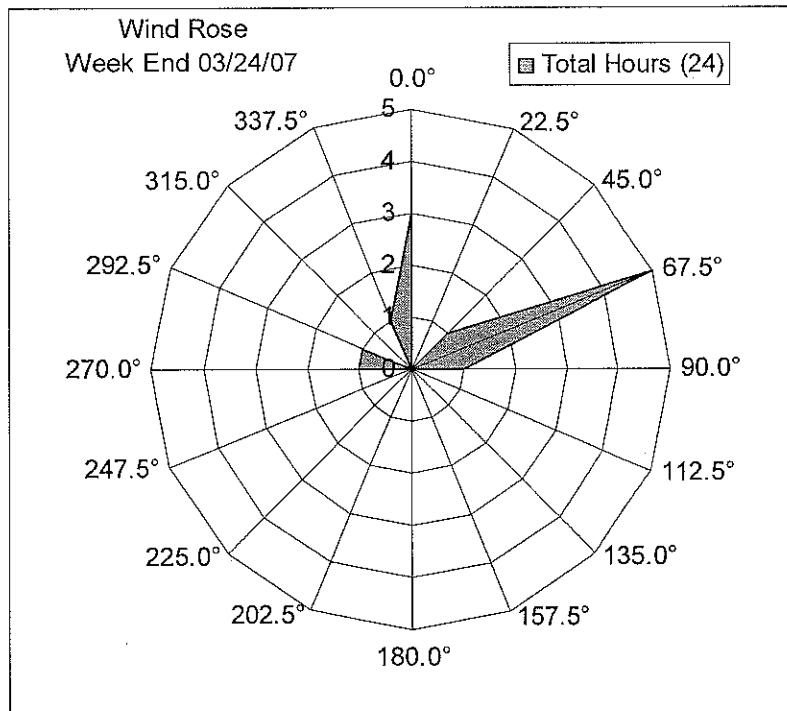
3/20/07 – 3/21/07



3/21/07 – 3/22/07



3/22/07 – 3/23/07



Date/Time	WS (MPH)	WD (deg)	Temp (F)
3/19/2007 9:00	N/A	210	N/A
3/19/2007 11:00	N/A	230	N/A
3/19/2007 12:00	N/A	260	N/A
3/19/2007 13:00	N/A	260	N/A
3/19/2007 14:00	N/A	280	N/A
3/19/2007 15:00	N/A	270	N/A
3/19/2007 16:00	N/A	270	N/A
3/19/2007 17:00	N/A	270	N/A
3/19/2007 18:00	N/A	270	N/A
3/19/2007 19:00	N/A	270	N/A
3/19/2007 20:00	N/A	280	N/A
3/19/2007 21:00	N/A	290	N/A
3/19/2007 22:00	N/A	10	N/A
3/20/2007 5:00	N/A	30	N/A
3/20/2007 6:00	N/A	30	N/A
3/20/2007 9:00	N/A	50	N/A
3/20/2007 10:00	N/A	50	N/A
3/20/2007 11:00	N/A	50	N/A
3/19/2007 9:00	N/A	210	N/A
3/19/2007 11:00	N/A	230	N/A
3/20/2007 9:00	N/A	160	N/A
3/20/2007 10:00	N/A	160	N/A
3/20/2007 11:00	N/A	160	N/A
3/20/2007 12:00	N/A	170	N/A
3/20/2007 13:00	N/A	200	N/A
3/21/07 1450	N/A	190	N/A
3/21/07 1550	N/A	210	N/A
3/21/07 1650	N/A	190	N/A
3/21/07 1850	N/A	190	N/A
3/21/07 1950	N/A	180	N/A
3/21/07 2045	N/A	180	N/A
3/21/07 2145	N/A	200	N/A
3/22/07 0450	N/A	190	N/A
3/22/07 0550	N/A	230	N/A
3/22/07 0650	N/A	230	N/A
3/21/07 0850	N/A	260	N/A
3/21/07 0950	N/A	330	N/A
3/22/2007 9:00	N/A	260	N/A
3/22/2007 10:00	N/A	330	N/A
3/22/2007 11:00	N/A	300	N/A
3/22/2007 14:00	N/A	40	N/A
3/22/2007 18:00	N/A	60	N/A
3/22/2007 19:00	N/A	60	N/A
3/22/2007 20:00	N/A	60	N/A
3/22/2007 21:00	N/A	60	N/A
3/22/2007 22:00	N/A	60	N/A
3/23/2007 5:00	N/A	0	N/A
3/23/2007 6:00	N/A	10	N/A
3/23/2007 9:00	N/A	100	N/A
3/23/2007 11:00	N/A	0	N/A

Personnel Health and Safety Monitoring:

Personal Health and Safety Monitoring is occurring at the CAMU and Dredge.

Action Level Response Actions:

1. Air sampling frequency continues on a daily basis.
2. Powder Activated Carbon continues to be deployed into Unit 1 of the CAMU.
3. Air monitoring on 2nd avenue directly south of the CAMU continues.



United States Steel Corporation
600 Grant Street
Pittsburgh, PA 15219-2800

**Environmental
Remediation**

Via Email and Regular Mail

April 4, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
3/17/07	2	1	3

Also, please find enclosed a report of Acceptable Acute Airborne Concentrations for Benzene where USS concludes the benzene concentrations found at the CAMU do not pose an acute risk to the public based on either the peak level of March 15, 2007 or the average level found over the last 2 weeks.

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

Richard L. Menozzi

April 4, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
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J.L. Rey, USS
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C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker

AIR MONITORING EXCEEDANCE REPORT

WEEK ENDING 3/17/07

SAMPLES COLLECTED DURING W/E 3/17/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Dewatering	CAMU Station 1	2	24 hour	2
Dewatering	CAMU Southern Berm ¹	2	24 hour	2

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

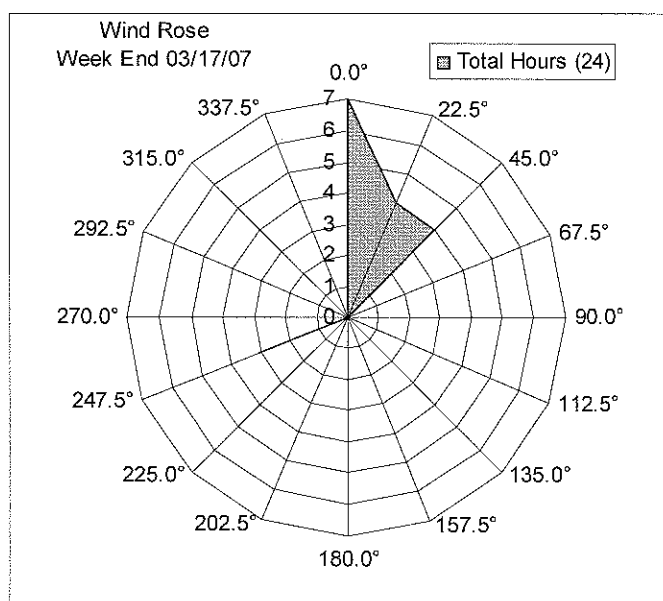
EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Resumed Dredging 2007
# Sampling Events:	1
Sampling Date(s):	24 hour start dates of 3/14/2007
Date of Discovery:	3/19/07
Exceedance Type	Notification and Action

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene (CM1)	165.71	8	40
Naphthalene (CM1)	14.93	6	30
Benzene (CM2/3)	363.58	8	40
Naphthalene (CM2/3)	45.87	6	30

Meteorological Conditions during Event(s):



¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged daily)

Date/Time	WS (MPH)	WD (deg)	Temp (F)
3/14/2007 9:00	N/A	240	N/A
3/14/2007 10:00	N/A	250	N/A
3/14/2007 11:00	N/A	251	N/A
3/14/2007 13:00	N/A	10	N/A
3/14/2007 14:00	N/A	30	N/A
3/14/2007 16:00	N/A	350	N/A
3/14/2007 17:00	N/A	350	N/A
3/14/2007 18:00	N/A	10	N/A
3/14/2007 19:00	N/A	10	N/A
3/14/2007 20:00	N/A	10	N/A
3/14/2007 21:00	N/A	10	N/A
3/14/2007 22:00	N/A	20	N/A
3/15/2007 5:00	N/A	50	N/A
3/15/2007 7:00	N/A	50	N/A
3/15/2007 8:00	N/A	50	N/A
3/15/2007 9:00	N/A	50	N/A
3/15/2007 10:00	N/A	20	N/A
3/15/2007 11:00	N/A	30	N/A
3/14/2007 9:00	N/A	240	N/A
3/14/2007 10:00	N/A	250	N/A

Personnel Health and Safety Monitoring:
Discontinued after completion of dredging.

Action Level Response Actions:

1. USS increased ambient air sampling frequency to daily to verify results.
2. USS began applying Powder Activated Carbon to Unit 1 of the CAMU.
3. USS began residential air monitoring on 2nd avenue directly south of the CAMU.

US Steel

Review of Acceptable Acute Airborne Concentrations for Benzene

April 3, 2007

ENVIRONMENTAL RESOURCES MANAGEMENT
200 Harry S. Truman Parkway, Suite 400
Annapolis, Md 21401

INTRODUCTION

Chemically-induced adverse health effects or toxicity is usually characterized by the duration and magnitude of exposure. Long-term exposure to a toxicant is referred to as chronic toxicity. Short-term exposure, typically experienced in higher doses, is known as acute toxicity. However, these health effects are usually minor (e.g., irritation) and reversible.

The notification and action levels developed for US Steel and the Grand Calumet River Dredging project were developed to protect against chronic toxicity of the various constituents in the river sediments. Exposure levels that do not result in chronic toxic effects are always lower than acute toxicity levels, however, by definition those levels that are protective of chronic exposure (i.e., long-term) are also protective of acute, short-term exposures. Recently, elevated levels of benzene have been detected during the air monitoring for volatile substances, and while the cause and solutions are being investigated, it was determined that it would be necessary to review acceptable acute airborne concentrations. Specifically, what levels have various agencies developed to protect the public health from these acute exposures?

SUMMARY OF AVAILABLE ACCEPTABLE AIR CONCENTRATIONS

A number of organizations have developed acceptable levels of chemical substances in air as a measure for acute exposures. As with any chemical substance there are concerns over the potential adverse health effects that may develop from exposure to the general public. This document presents the levels that have been developed to protect the human population, including sensitive individuals, from adverse health effects due to short-term exposures to Benzene. Many of these values have been developed for very short exposures, such as one hour. However, one of the basic principles of toxicology is the recognition that for short-term exposures, concentration multiplied by time is a constant. This is known as Haber's Rule, indicating that 100 microgram per cubic meter ($\mu\text{g}/\text{M}^3$) for one hour would be an equivalent dose as 10 $\mu\text{g}/\text{M}^3$ for 10 hours. Accordingly, many of these guidelines can be converted from the one hour exposure level to longer exposures levels, as long as the exposures remain short-term.

OSHA Permissible Exposure Limits (PELs)

Occupational levels, for the purpose of ensuring worker protection, have been developed by the Occupational Safety and Health Administration (OSHA). OSHA has developed Permissible Exposure Limits (PELs) for use in occupational settings. These PELs represent time-weighted averages that must not be exceeded during any 8-hour workshift of a 40 hours workweek over an exposure duration of 25 years. The OSHA PEL for Benzene is 1 part per million (ppm) or 3, 190 ug/M³.

ATSDR Minimal Risk Levels

Other organizations have developed acceptable air concentrations for various uses. The Agency for Toxic Substances and Disease Registry (ATSDR) has developed Minimal Risk Levels (MRLs) for a number of chemicals. The MRLs are set below levels that, based on current information, might cause adverse health effects in the people most sensitive to such substance-induced effects. Acute MRLs are derived for short-term exposures that may occur over a period of 1 to 14 days. The Intermediate MRLs represent exposures occurring from 14 to 364 days and the chronic MRLs are for exposures that may occur for 365 days or longer.

MRLs are intended to serve as a screening tool to help public health professionals decide if there is a health concern. ATSDR uses a conservative (i.e., protective) approach to address uncertainty consistent with the public health principle of prevention. Although human toxicity data are preferred, MRLs are often based on animal toxicity studies because relevant human studies are lacking. In the absence of evidence to the contrary, ATSDR assumes that humans are more sensitive to the effects of hazardous constituents than animals and that certain persons (e.g., infirmed, elderly, etc.) may be particularly sensitive. Thus, the resulting MRL may be as much as 100-fold below levels that have been shown to be nontoxic in laboratory animals. Proposed MRLs undergo a rigorous review process which includes reviews by the Health Effects/MRL Workgroup within the ATSDR Division of Toxicology and Environmental Medicine, expert panel peer reviews, and agency-wide MRL Workgroup reviews, with participation from other federal agencies and comments from the public. MRL s developed by ATSDR for various exposures periods for Benzene are shown in Table 1.

Temporary Emergency Exposure Limits (TEELs):

The US Department of Energy has developed Temporary Emergency Exposure Limits (TEELs) for short-term exposures to a wide number of chemical substances. The TEEL levels are defined as the threshold concentrations based on endpoints as follows:

- TEEL-0 --The threshold concentration below which most people will experience no adverse health effects.
- TEEL-1 --The maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing more than mild, transient adverse health effects or perceiving a clearly defined objectionable odor.
- TEEL-2 --The maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing or developing irreversible or other serious health effects or symptoms that could impair an individual's ability to take protective action.
- TEEL-3 -- The maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing or developing life-threatening health effects.

The various TEEL values for Benzene are shown in Table 1.

Emergency Response Planning Guidelines (ERPGs)

The American Industrial Hygiene Association (AIHA) has developed Emergency Response Planning Guidelines (ERPGs) for short-term exposures to a number of chemical substances. The ERPGs are defined as an airborne concentration of a substance below which it is predicted that the general population, including susceptible individuals, would experience no adverse health effects. The ERPGs are defined on concentrations based on endpoints as follows:

- ERPG-1 --The maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing more than mild, transient adverse health effects or perceiving a clearly defined objectionable odor.

- ERPG-2 --The maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing or developing irreversible or other serious health effects or symptoms that could impair an individual's ability to take protective action.
- ERPG-3 --The maximum airborne concentration below which it is believed nearly all individuals could be exposed for up to 1 hour without experiencing or developing life-threatening health effects.

The various ERPGs are presented in Table 1.

Acute Exposure Guideline Levels (AEGLs)

Acute Exposure Guideline Levels (AEGLs) are under development by the National Research Council's Committee on Toxicology. The committee has prepared detailed guidelines for developing uniform, meaningful emergency response standards for the general public. The criteria in the guidelines take into account sensitive individuals and are meant to protect nearly all people. The committee has begun putting the guidelines into practice in developing AEGLs for specific chemicals.

- AEGL 1: The airborne concentration of a substance below which it is predicted that the general population, including susceptible individuals, would experience no notable discomfort, irritation, or certain asymptomatic nonsensory effects.
- AEGL 2: The airborne concentration of a substance below which it is predicted that the general population, including susceptible individuals, would experience no irreversible or other serious, long-lasting adverse health effects or an impaired ability to escape.
- AEGL 3: The airborne concentration of a substance below which it is predicted that the general population, including susceptible individuals, would experience no life-threatening health effects or death.

The various ERPGs are presented in Table 1.

TABLE 1 - BENZENE EXPOSURE GUIDELINES

Exposure Guidelines	Exposure Period	LEVEL (ug/M ³)
ATSDR MRLs		
Acute MRL	1-14 days	28.7
Intermediate MRL	15-365 days	19.1
Chronic MRL	365 and Longer	9.6
TEEL		
TEEL-0	1 Hr	3190
TEEL-1	1 Hr	159,500
TEEL-2	1 Hr	478,500
TEEL-3	1 Hr	3,190,000
ERPG		
ERPG-1	1 Hr	159,500
ERPG-2	1 Hr	478,500
ERPG-3	1 Hr	3,190,000
AEGL		
AEGL-1	1 Hr	165,880
AEGL-1	4 Hr	57,420
AEGL-1	8 Hr	28,710
AEGL-2	1 Hr	2,552,000
AEGL-2	4 Hr	1,276,000
AEGL-2	8 Hr	638,000
AEGL-3	1 Hr	12,760,000
AEGL-3	4 Hr	6,380,000
AEGL-3	8 Hr	3,158,100

As noted in Table 2, as follows, elevated levels of benzene have been detected recently during the air monitoring for volatile substances (Table 2). Since these samples were collected at the CAMU and since the previous air modeling has indicated that a reduction of four fold will occur between the CAMU and the nearby residences, the proper comparison would be to reduce the average concentration of 54 ug/M³ by a factor of 4 (i.e., 13.5 ug/M³). This value can then be compared to the ATSDR Acute MRL of 28.7 ug/M³, which is the most appropriate because it was developed for exposures of up to 14 days. It should also be pointed out that the ATSDR MRL is based on an animal study and incorporates a total uncertainty factor (i.e., safety factor) of 300. In other words the concentration that was shown to cause minimal health effects in animals was 300 times higher. The one high value of 298 divided by a factor of 4,

as noted above, (or 74.5 ug/M³) can be compared to the AEGL (8 Hr) of 28,710 divided by 3 or 9,570 ug/M³.

TABLE 2 - COMPARISON TO RECENT BENZENE LEVEL AT THE CAMU

Retrieval Date	Average Benzene Concentration (ug/M³)^a
3/15/2007	297.6
3/20/2007	29.7
3/21/2007	92.0
3/22/2007	26.6
3/23/2007	110.4
3/27/2007	9.2
3/28/2007	120.7
3/29/2007	125.0
AVERAGE (based on total days)	54.1

^a Average of all three Sampling stations

CONCLUSION

In conclusion the benzene concentrations found at the CAMU do not pose an acute risk to the public based on either the peak level of 3/15/2007 or the average level found over the last 2 weeks. Both of these levels are well below the levels set by the ATSDR or the National Research Council to be protective of the public health for acute exposures.



United States Steel Corporation
Gary Works
One North Broadway
Gary, IN 46402-3199

Via Email and Regular Mail

January 31, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Daily Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
1/20/07	3	1	0

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in cursive script that reads "Richard L. Menozzi".

Richard L. Menozzi

January 31, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
E. Ould, Earth Tech
M. James, Baker

AIR MONITORING EXCEEDANCE REPORT

WEEK ENDING 1/20/07

SAMPLES COLLECTED DURING W/E 1/20/07:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Dewatering	CAMU Station 1	3	24 hour	0
Dewatering	CAMU Southern Berm ¹	3	24 hour	1

Activities Occurring During This Sampling Week:

- CAMU 2007 dredging activities.

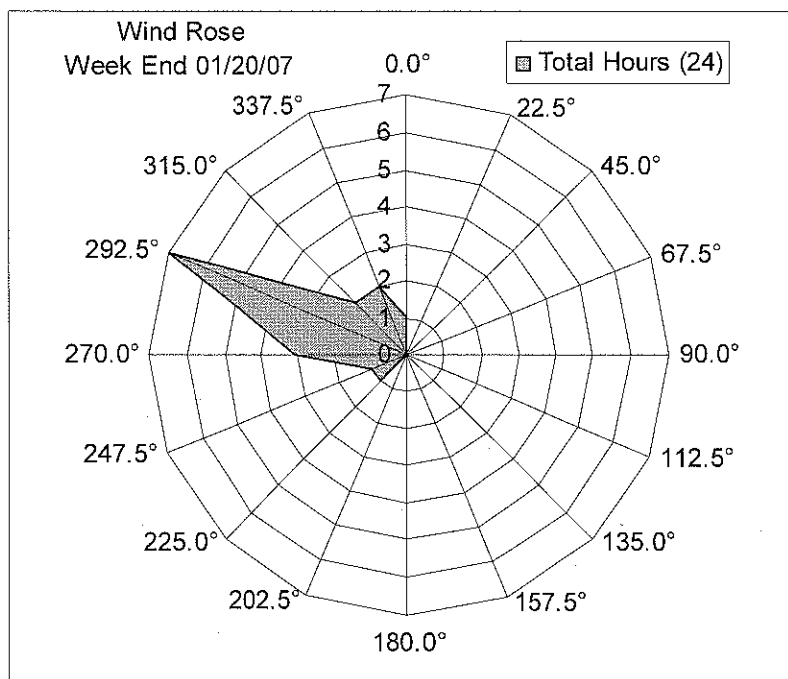
EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 2/3
Sample Type:	24 hour
Program Phase:	Dewatering
# Sampling Events:	1
Sampling Date(s):	24 hour start dates of 1/16/2007
Date of Discovery:	1/23/07
Exceedance Type	Notification

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Naphthalene	13.328	6	30

Meteorological Conditions during Event(s):



¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged weekly)

Date/Time	WS (MPH)	WD (deg)	Temp (F)
1/17/2007 8:00	N/A	0	N/A
1/17/2007 9:00	N/A	230	N/A
1/17/2007 10:00	N/A	220	N/A
1/17/2007 11:00	N/A	220	N/A
1/17/2007 13:00	N/A	210	N/A
1/17/2007 14:00	N/A	220	N/A
1/17/2007 15:00	N/A	180	N/A
1/17/2007 16:00	N/A	200	N/A
1/17/2007 17:00	N/A	200	N/A
1/17/2007 18:00	N/A	210	N/A
1/17/2007 19:00	N/A	190	N/A
1/17/2007 20:00	N/A	190	N/A
1/17/2007 21:00	N/A	190	N/A
1/17/2007 22:00	N/A	180	N/A
1/17/2007 23:00	N/A	180	N/A
1/18/2007 6:00	N/A	180	N/A
1/18/2007 7:00	N/A	190	N/A
1/18/2007 8:00	N/A	180	N/A
1/18/2007 9:00	N/A	180	N/A
1/17/2007 8:00	N/A	0	N/A

Personnel Health and Safety Monitoring:

Discontinued after completion of dredging.

Action Level Response Actions:

No Action Level Exceedance



Via Email and Regular Mail

January 10, 2007

Ms. Tamara Ohl
U.S. Environmental Protection Agency – Region V
77 West Jackson Blvd. (DRE-9J)
Chicago, IL 60604

**RE: Air Monitoring Plan (Task 26)
Air Monitoring Exceedance Reports
GCR Sediment Remediation Plan
U.S. Steel – Gary Works
IND 005 444 062**

Dear Ms. Ohl:

Enclosed for your records, please find Air Monitoring Exceedance Reports (AMERs) for the following sampling period:

Sampling Period Week Ending	Number of Daily Sampling Events	Number of Notification Level Exceedances	Number of Action Level Exceedances
12/16/06	1	1	0

If you have any questions or comments, please call me at 412-433-6191.

Sincerely,

A handwritten signature in cursive script, reading "Richard L. Menozzi", is positioned above the printed name.

Richard L. Menozzi

January 10, 2007

Page 2

CC with attachments:

Bob Simmons, IDEM NWRO
Rodney Sommerville, City of Gary
Dorreen Carey, City of Gary
Steve West, IDEM
Connie Faustini, ERM
Gary Lage, Toxilogics
J.L. Rey, USS
J.T. Volanski, USS
C.D. Baker, USS
K.L. Mentzel, USS
T. Woodwell, USS
T.L. Bumstead, Earth Tech
M. James, Baker

AIR MONITORING EXCEEDANCE REPORT

WEEK ENDING 12/16/06

SAMPLES COLLECTED DURING W/E 09/10/05:

Program Phase	Sample Site	# Daily Events	Sample Type	# of Exceedances
Dewatering	CAMU Station 1	1	24 hour	0
Dewatering	CAMU Southern Berm ¹	1	24 hour	1

Activities Occurring During This Sampling Week:

- Dewatering and preparation of CAMU for 2007 dredging activities.

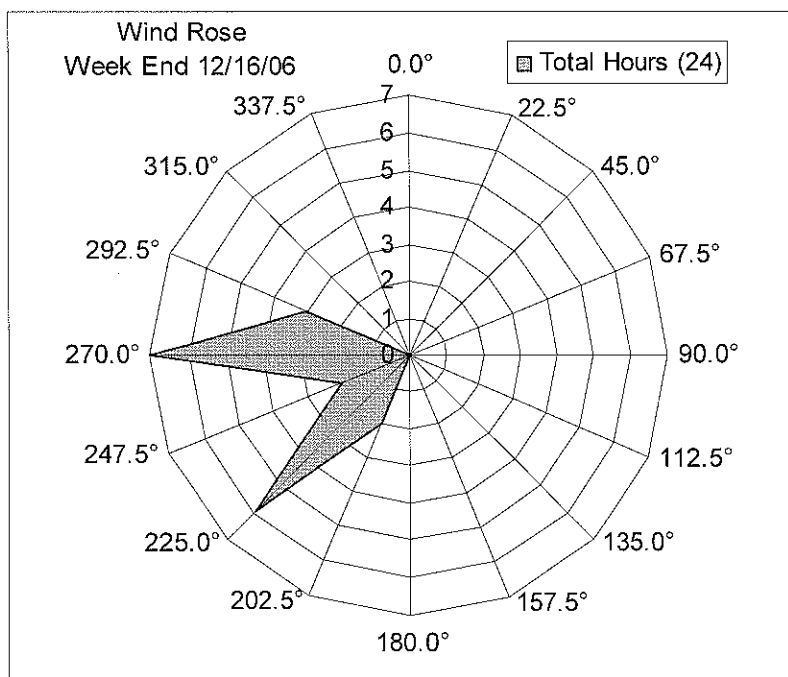
EXCEEDANCE DETAILS:

Sample Site:	CAMU Station 1
Sample Type:	24 hour
Program Phase:	Dewatering
# Sampling Events:	1
Sampling Date(s):	24 hour start dates of 12/14/2006
Date of Discovery:	12/26/2006
Exceedance Type	Notification

Exceedances Occurred for the Following Parameters:

Parameter	Average Analytical Result (ug/m ³)	Notification Level (ug/m ³)	Action Level (ug/m ³)
Benzene	11.957	8	40

Meteorological Conditions during Event(s):



¹ CAMU Southern Berm – average of CAMU Stations 2 and 3 (averaged weekly)

Date/Time	WS (MPH)	WD (deg)	Temp (F)
12/14/2006 14:00:00 PM	N/A	220	N/A
12/14/2006 15:00:00 PM	N/A	241	N/A
12/14/2006 16:00:00 PM	N/A	230	N/A
12/14/2006 17:00:00 PM	N/A	230	N/A
12/14/2006 18:00:00 PM	N/A	220	N/A
12/14/2006 19:00:00 PM	N/A	240	N/A
12/14/2006 20:00:00 PM	N/A	220	N/A
12/14/2006 21:00:00 PM	N/A	200	N/A
12/14/2006 22:00:00 PM	N/A	230	N/A
12/14/2006 23:00:00 PM	N/A	210	N/A
12/15/2006 6:00	N/A	270	N/A
12/15/2006 7:00	N/A	280	N/A
12/15/2006 8:00	N/A	290	N/A
12/15/2006 9:00	N/A	270	N/A
12/15/2006 10:00	N/A	280	N/A
12/15/2006 11:00	N/A	270	N/A
12/15/2006 12:01	N/A	270	N/A
12/15/2006 13:00	N/A	280	N/A
12/15/2006 14:00	N/A	290	N/A
12/15/2006 15:00	N/A	290	N/A

Personnel Health and Safety Monitoring:

Discontinued after completion of dredging.

Action Level Response Actions:

No Action Level Exceedance